JVC

SERVICE MANUAL

COLOUR TELEVISION

AV-32WFX1EUG / AV-28WFX1EUG AV-32WFX1EUS / AV-28WFX1EUS

BASIC CHASSIS

MD

Supplementary

Since some details of the AV-32WFX1EUG / AV-32WFX1EUS / AV-28WFX1EUG / AV-28WFX1EUS service manual (No.51700 Mar. 2000) were changed, we are informing you of these changes and of the new descriptions.

1. OUTLINE OF CHANGE

To improve CRT performance, CRT manufacturer has changed location of VM coil wire connector on the CRT neck.

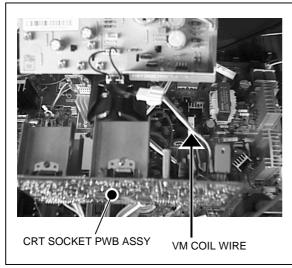
When changing CRT from old to new type, it is necessary to add extension cable CHHB03-100R-SA, between CRT SKT PCB and new VM coil connector.

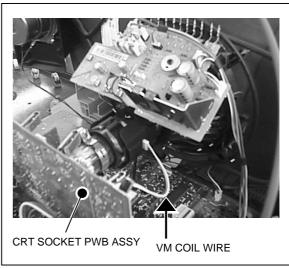
When ordering replacement CRT, Please order CHHB03-100R-SA at same time.

2.HOW TO INDENTIFY MODEL (CRT: W66ERF031X044 [28inch] / W76ERF031X044 [32inch])

Old type: Has a short VM wire, coming from the CRT VM PCB/Coil Assy for connecting to CRT PCB VM coil wire.

New type: VM coil wire is connected directly into the right hand side of CRT neck.





[Fig.1] [Fig.2]

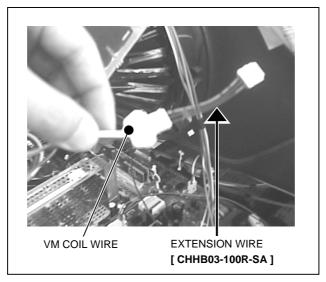
3. LIST OF NEW TYPE CRT USING LONGER VM COIL WIRE (No need to add additional extension wire)

All sets listed before the serial numbers below require additional extension wire.

Model name	Start serial number (New long VM wire)		
AV-32WFX1EUG	155 * 1321 Onwards		
AV-32WFX1EUS	155 * 1421 Onwards		
AV-28WFX1EUG	145 * 0906 Onwards		
AV-28WFX1EUS	145 * 9026 Onwards		

4. METHOD FOR CHANGING, FROM OLD TO NEW CRT TYPE

- ① Order CHHB03-100R-SA, at the same time as CRT.
- ② Attach one end of CHHB03-100R-SA, to VM coil Wire. (See Fig 3)
- ③ Insert opposite end of CHHB03-100R-SA wire, into CRT's VM coil wire connection. (See Fig 2)



[Fig.3]

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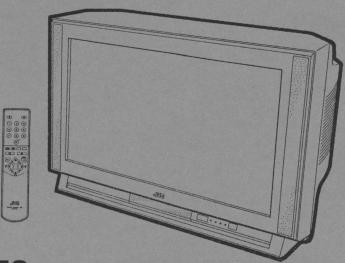
SERVICE MANUAL

COLOUR TELEVISION

AV-32WFX1EUS AV-32WFX1EUS AV-28WFX1EUS AV-28WFX1EUS

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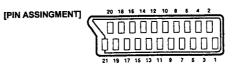
AV-32WFX1EUG AV-32WFX1EUS AV-28WFX1EUG AV-28WFX1EUS

SPECIFICATIONS

		Content				
Item		AV-32WFX1EUG AV-32WFX1EUS	AV-28WFX1EUG AV-28WFX1EUS			
Dimensions (\	W×H×D)	855mm × 550mm × 568mm	780mm × 509mm × 499mm			
Mass		57.0kg	41.0kg			
TV RF System		CCIR (B/G, I, D/K, L)				
Colour System	1	PAL / SECAM / NTSC (Only EXT mode)				
Stereo System	1	A2 / (B/G, D/K) , NICAM (B/G, I, D/K, L)	◄			
Teletext Syste	m	Fastext(United Kingdom system) / TOP (German system) / WST(Standard system)				
Receiving Free	quency VHF	47MHz~ 470MHz				
	UHF	470MHz~862MHz				
	French CATV	116MHz~172MHz / 220MHz~469MHz	,			
Intermediate F	requency VIF Carrier SIF Carrier	38.9MHz(B/G, D/K, I, L) / 34.10MHz(L) 33.4MHz(5.5MHz : B/G) / 32.9MHz(6.0MHz : I) / 32.4MHz(6.5MHz : L, D/K) / 40.6MHz(6.5MHz : L)	· -			
Colour Sub Ca	rrier PAL SECAM NTSC	4.43MHz 4.40625MHz / 4.25MHz 3,58MHz / 4.43MHz				
Power Input	**************************************	AC 220V~240V , 50Hz	4			
Power Consur	nption	195W(Max), 145W(Avg) / 145W/h (ITALY)	195W(Max), 145W(Avg) / 145W/h (ITALY)			
Picture Tube		Visible size : 76cm, Measured diagonally	Visible size : 66cm, Measured diagonally			
High Voltage		31.5kV +1kV (at zero beam current)	30.5kV +1kV (at zero beam current)			
Speaker		φ 10 cm round × 2	16cm × 4cm oval × 2			
Audio Output		7.5W+7.5W	7.5W+7.5W			
EXT-1/EXT-2/E (input / Output		21-pin Euro connector (SCART socket)				
EXT4 (Input)	Video	1Vp-p 75Ω(RCA pin jack)				
Audio(L/R)		500mVrms(-4dBs), High Impedance(RCA pin jack)				
	S-VIDEO	$Y:1\text{Vp-p}$ Positive (negative sync provided, when terminated with $75\Omega)$	·			
		C : 0.286Vp-p (burst signal, when terminated with 75Ω)				
AUDIO OUT	Variable	0-1 Vrms, low impedance Front L/R output(RCA pin jack)				
Aerial Input	•	75Ω unbalanced, Coaxial				
Headphone jac	ck	Stereo mini jack (ϕ 3.5mm)				
Remote Control Unit		RM-C50 (AAA/R03 dry battery × 2	_			

Design & specifications are subject to change without notice.

■21-pin Euro connector (SCART socket) : EXT-1 / EXT-2 / EXT-3



(P-P= Peak to Peak, S-W= Sync tip to white peak, B-W= Blanking to white peak)

No.	Signal Designation	Matching Value	EXT-1	EXT-2	EXT-3
1	AUDIO R output	500mVrms(Nominal), Low impedance	O (TV OUT)	O (LINE OUT)	NC
2	AUDIO R input	500mVrms(Nominal), High impedance	0	0	0
3	AUDIO L output	500mVrms(Nominal), Low impedance	O (TV OUT)	O (LINE OUT)	NC
4	AUDIO GND		0	0	0
5	GND (B)		0	0	0
6	AUDIO L input	500mVrms(Nominal), High impedance	0	0	0
7	B input	700mV _{B-W} , 75Ω	0	NC	NC
8	FUNCTON SW (SLOW SW)	Low: 0-3V, High: 8-12V, High impedance	0	0	0
9	GND (G)		0	0	0
10	SCL3		NC	O (T-V LINK)	NC
11	G input	700mV _{B-W} , 75 Ω	0	NC	NC
12	SDA3		NC	0	NC
13	GND (R)		0	0	0
14	GND (Y _s)		0	NC	NC
15	R/C input	R:700mV _{B-W} ,75Ω C:300mV _{P-P} ,75Ω	O (only R)	O (only C)	O (only C)
16	Ys input	Low: 0 - 0.4, High: 1 - 3V, 75Ω	0	NC	NC
17	GND(VIDEO output)		0	0	0
18	GND(VIDEO input)		0	0	0
19	VIDEO output	1V _{P-P} (Negative going sync), 75 Ω	O (TV)	O (LINE OUT)	NC
20	VIDEO / Y input	1V _{P-P} (Negative going sync), 75 Ω	0	0	0
21	COMMON GND		0	0	0

2

SAFETY PRECAUTIONS

- The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- 3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by shading on the schematics and by (Δ) on the parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.

Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE: (1) side GND, the ISOLATED(NEUTRAL): (1) side GND and EARTH: (4) side GND. Don't short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND and never measure with a measuring apparatus (oscilloscope etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND at the same time.

If above note will not be kept, a fuse or any parts will be broken.

- If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).
- 6. The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
- 7. Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.
- 8. When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screwheads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

(1) Dielectric Strength Test

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second.

(.... Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)

This method of test requires a test equipment not generally found in the service trade.

(2) Leakage Current Check

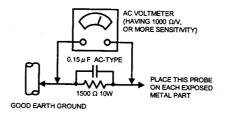
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

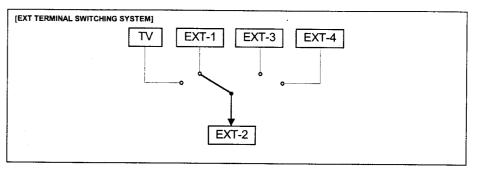
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μ AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).

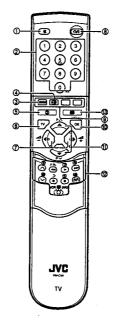


FEATURES

- By preference, users can select the picture size from REGULAR, PANORAMIC, 14:9 ZOOM, 16:9 ZOOM, 16:9 ZOOM SUBTITLE, FULL modes. When the TV unit received WSS picture signal, the picture can be changed to 16:9 mode automatically.
- The TELETEXT SYSTEM has a built-in Fastext, TOP and WST system
- Because this TV unit corresponds to multiplex broadcast, users can enjoy music programs and sporting events with live realism.
 In addition, BILINGUAL programs can be heard in their original language.
- In accordance with the brightness in a room, the brightness and/or contrast of the picture can be adjusted automatically to make the optimum picture which is easy on the eye.
- Users can make VCR dubbing of picture and sound by controlling the AV selector to select an optional source at the EXT-2 output shown in figure.
- Built-in T-V LINK.



FUNCTIONS(I)





①Muting key ②Number key

3Zoom key

@3D key

⑤Information key

⑥TV key

⑦Volume -/+ key (Function)

Standby keyColour buttons key

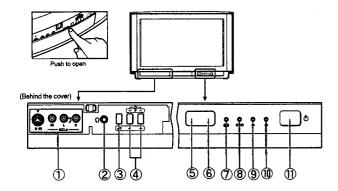
®Ok / Menu key

①BOK / Menu key
① ▲/▼ key (Function)

TEXT/VCR/DVD controls key

③TEXT key

FUNCTIONS(II)



- 6 EXT-4 terminals
- ⑦ Headphone jack
- 8 Volume
- Program bottoms
- ① Remote control sensor
- 1 ECO sensor

- ① Hyper sound lamp
- 2 ECO lamp
- 3 Sleep timer lamp
- 4 Power lamp
- ⑤ Main power button

900

①Aerial socket

③EXT-1 Terminal

(I)EXT-2 Terminal

⑤EXT-3 Terminal

®AUDIO out

MAIN DIFFERENCE PARTS LIST

Δ	Model Name	AV-32WFX1EUG	AV-32WFX1EUS	AV-28WFX1EUG	AV-28WFX1EUS
	MAIN PWB	SMD-1006A-U2	-	SMD-1007A-U2	-
	POWER & DEF PWB	SMD-2006A-U2	←	SMD-2007A-U2	+-
	100Hz PWB	SMD0Z005A-U2	-	SMD0Z006A-U2	-
	FRONT CONTROL PWB	SMD-8005A-U2	-	SMD-8006A-U2	-
Δ	FRONT CABINET ASSY	LC10376-007A-U	LC10376-010B-U	LC10662-001C-U	LC10662-007B-U
	CONTROL SHEET	LC30597-002A-U	LC30597-007A-U	LC31109-002A-U	LC31109-004A-U
	DOOR (SERVICE)	LC10265-008A-U	LC10265-012B-U	LC10265-008A-U	LC10265-012B-U
	POWER KNOB (SERVICE)	LC30578-002A-C	LC30578-006A-C	LC30578-002A-C	LC30578-006A-C
Δ	REAR COVER	LC10378-001D-U	LC10378-003A-U	LC10664-001C-U	LC10664-002A-U
Δ	RATING LABEL	LC20380-002A-U	LC20380-005A-U	LC20380-004A-U	LC20380-003A-U
Δ	RATING LABEL	LC20379-002A-U	LC20379-005A-U	LC20379-004A-U	LC20379-003A-U
	EURO LABEL	AEM1039-069-E	AEM1039-095-E	AEM1039-068-E	AEM1039-092-E

SPECIFIC SERVICE INSTRUCTIONS

DISASSEMBLY PROCEDURE

REMOVING THE REAR COVER

- 1. Unplug the power cord plug from wall outlet
- 2. As shown in Fig.3, remove the 13 screws marked (A)
- 3. Withdraw the rear cover toward you.

REMOVING THE CHASSIS

- · After removing the rear cover.
- Slightly raise the both sides of the chassis by hand and remove the 2 claws under the both sides of the chassis from the front cabinet
- Withdraw the chassis backward. (If necessary, take off the wire clamp, connectors etc.)

REMOVING THE AV BOARD

- · After removing the rear cover.
- 1. As shown in Fig.3, remove the 4 screws marked B
- As shown in Fig.1, remove the claws marked © under the chassis.

[For 32 inch model] REMOVING THE DOME SPEAKER BOX AND HORN ADAPTER

- · After removing the rear cover.
- As shown in Fig.3, remove the 2 screws marked (F), then remove the dome speaker box from front cabinet.
- Follow the same steps when removing the other hand dome speaker box.
- As shown in Fig.3, remove the 2 screws marked (G), then remove the horn adapter.

NOTE: When removing the screws marked (F) of the dome speaker box, remove the lower side screw first, and then remove the upper screw.

[For 28 inch model] REMOVING THE SPEAKER BOX AND SPEAKER ADAPTER

- · After removing the rear cover.
- As shown in Fig.4, remove the 2 screws marked (H), then remove the speaker box from front cabinet.
- Follow the same steps when removing the other hand speaker box.
- As shown in Fig.4, remove the 2 screws marked ①, then remove the speaker adapter.

REMOVING THE CONTROL BASE

- After removing the CHASSIS.
- As shown in Fig.2, while pushing down the claws marked ①, remove the control base in the arrow direction ().

CHECKING THE PW BOARD

To check the back side of the PW Board.

- 1) Pull out the chassis. (Refer to REMOVING THE CHASSIS).
- Erect the chassis vertically so that you can easily check the back side of the PW Board.

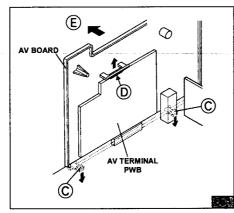
[CAUTION]

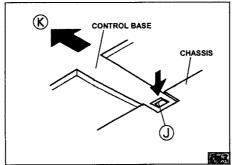
- When erecting the chassis, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the wire connector is properly connected.
- When conducting a check with power supplied, be sure to confirm that the CRT EARTH WIRE (BRAIDED ASS'Y) is connected to the CRT SOCKET PW board.

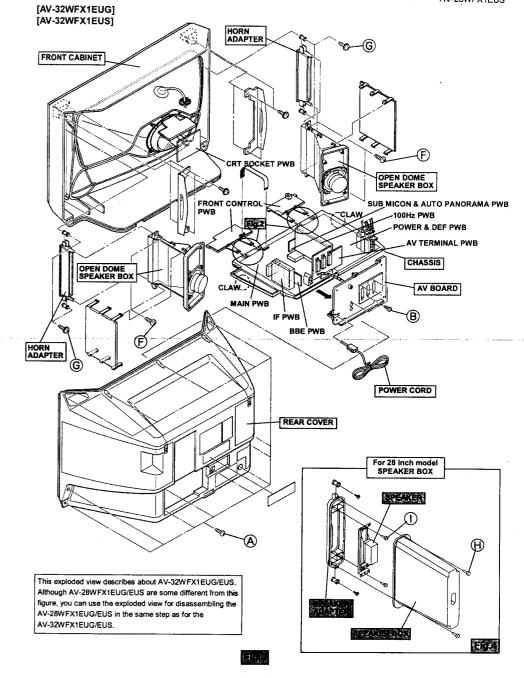
WIRE CLAMPING AND CABLE TYING

1. Be sure to clamp the wire.

Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie.



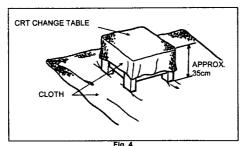


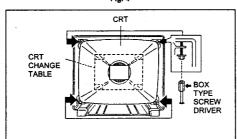


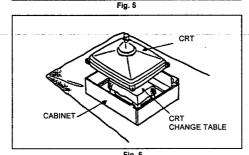
AV-32WFX1EUG AV-32WFX1EUS AV-28WFX1EUG AV-28WFX1EUS

REMOVING THE CRT

- * Replacement of the CRT should be performed by 2 or more persons
- · After removing the cover, chassis etc..,
- 1. Putting the CRT change table on soft cloth, the CRT change table should also be covered with such soft cloth (shown in
- 2. While keeping the surface of CRT down, mount the TV set on the CRT change table balanced will as shown in Fig.4.
- 3. Remove 4 screws marked by arrows with a box type screw driver as shown in Fig.5.
- . Since the cabinet will drop when screws have been removed, be sure to support the cabinet with hands.
- 4. After 4 screws have been removed, put the cabinet slowly on cloth (At this time, be carefully so as not to damage the front surface of the cabinet) shown in Fig.6.
- . The CRT should be assembled according to the opposite sequence of its dismounting steps.
- . The CRT change table should preferably be smaller that the CRT surface, and its height be about 35cm.



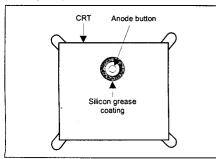




COATING OF SILICON GREASE FOR ELECTRICAL INSULATION ON THE CRT ANODE CAP SECTION.

- · Subsequent to replacement of the CRT and HV transformer or repair of the anode cap, etc. by dismounting them, be sure to coat silicon grease for electrical insulation as shown in Fig.7. Wipe around the anode button with clean and dry cloth. (Fig.7) Coat silicon grease on the section around the anode button. At this time, take care so that any silicon greases dose not stick to the anode button, (Fig.8)
- ★ Silicon grease product No. KS 650N

10



Approx. Silicon grease 20mm (Do not should be coated coat grease on by 5mm or more this section from the outside diameter of anode cap. Anode button Coating position (No sticking of of silicon grease silicon grease) Anode can

Fig. 8

REPLACEMENT OF MEMORY ICS

1. Memory ICs

operation of the video and deflection circuits. When replacing, be sure to use ICs written with the initial values of data.

PROCEDURE

Connect the power plug into the wall outlet and switch the power on.

1) Press the INFORMATION key and the MUTING key of the

3) While the SERVICE MENU is displayed, again press the INFORMATION key and MUTING key simultaneously, and the

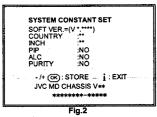
SYSTEM CONSTANT SET screen of Fig. 2 will be displayed.

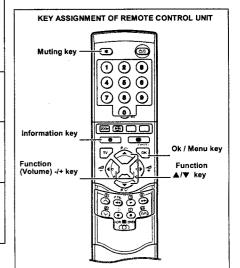
4) Check the setting values of the SYSTEM CONSTANT SET of

2. Procedure for replacing memory ICs

SERVICE MENU SERVICE MENU Switch off the power and disconnect the power plug from the wall 5. VSM PRESET, 6. STATUS 7. PIP - 8.TEXT 9. SHIPPING(OFF) (2) Replace the memory IC Be sure to use memory ICs written with the initial data values.

SYSTEM CONSTANT SET





(1) Power off

(3) Power on

This model uses memory ICs. This memory IC data are for proper

Table 1. If the value is different, select the setting item with the FUNCTION ▲/▼ key, and set the correct value with the function

channels as described.

INSTRUCTIONS.

(4) Check and set SYSTEM CONSTANT SET

• It must not adjust without adjustment signals.

REMOTE CONTROL UNIT simultaneously. 2) The SERVICE MENU screen of Fig. 1 will be displayed.

- 5) Press the MENU key to memorize the setting value. 6) Press the INFORMATION key twice, and return to the normal
- (5) Receive channel setting Refer to the OPERATING INSTRUCTIONS, and set the receive
- (6) User settings Check the user setting items according to Table 2. Where these do not agree, refer to the OPERATING
- (7) SERVICE MENU setting Verify what to set in the SERVICE MENU, and set whatever is
 - For setting, refer to the SERVICE ADJUSTMENTS.

No.51700

Fig. 7

SETTING VALUES OF SYSTEM CONSTANT SET (TABLE 1)

Setting item		Setting value		
	Setting content	AV-32WFX1EUG AV-32WFX1EUS	AV-28WFX1EUG AV-28WFX1EUS	
COUNTRY	→ EK → EN → EP → ER → EU/EI	EU / EI	EU / Et	
INCH	≥ 28 → 32 → 29 ─	32	28	
PIP	→ YES → NO -	NO	← —	
ALC	→ YES → NO ¬	NO		
PURITY	→ YES →NO-	NO	← ——	

USER SETTING VALUES (TABLE 2)

Setting item	Setting value	Setting item	Setting value
SUB POWER	B POWER ON		Appropriate sound volume
CHANNEL	1 POSITION	DISPLAY	CHANNEL NUMBER DISPLAY
CHANNEL PRESET	See OPERATING INSTRUCTUONS.	ZOOM	REGULAR
Pid	CTURE SETTING		XT SETTING
TINT CONTRAST BRIGHT SHARP COLOUR HUE ECO MODE	COOL All CENTER OFF	ID DUBBING	BLANK EXT1→EXT2
PIC	TURE FEATURES		FEATURES
DIGITAL VNR DigiPure COLOUR SYSTEM 4:3 AUTO ASPECT PICTURE TILT	AUTO AUTO TV: According to preset CH EXT: AUTO PANORAMIC CENTER	SLEEP TIMER BLUE BACK CHILD LOCK DECORDER(EXT-2)	OFF ON ID: No.0000 ALL CH OFF OFF
S	OUND SETTING		INSTALL
STEREO / I · II BASS TREBLE BALANCE BBE HYPER SOUND SPEAKER	(STEREO SOUND) CENTER ON OFF ON	LANGUAGE AUTO PROGRAM EDIT / MANUAL	ENGLISH
		7.77.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	
		INDEX	

SERVICE MENU SETTING ITEMS (TABLE 3)

Setting item	Setting value	Setting item	Setting value
1. IF	1. VCO 2. DELAY POINT 3. LV LEVEL	5. VSM PRESET (COOL NORMAL WARM	1. BRIGHT 2. CONT 3. COLOUR 4. SHARP 5. HUE
2. WDR R 3. WDR G 4. WDR B 5. CUT R 6. CUT G 7. CUT B 8. BRIGHT 7. WDR G 8. WDR B 9. BASS 10. TREBLI	10. TREBLE VPS		
	9. CONT. 10. COLOUR 11. HUE 12. CONT LIMIT	(Do not adjust)	PDC AUTO SUB SUB VER MTEXT
3. AUDIO (Do not adjust)	1. CONC LIMIT 2. A2 ID THR	7. PIP (Do not adjust)	This model doesn't have PIP function. It is no requirement to adjust.
4. DEF.	1. V-SHIFT 2. V-SIZE 3. H-CENT	8. TEXT	1. TEXT MONO H
	4. H-SIZE 5. EW-PIN 6. TRAPE 7. COR-UP 8. COR-LO 9. ANGLE 10. BOW 11. V-S.CR 12. V-LIN	9. SHIPPING (Do not adjust)	OFF

SERVICE ADJUSTMENTS

BEFORE STARTING SERVICE ADJUSTMENT

- There are 2 ways of adjusting this TV: One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.
- The adjustment with the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to its optimum condition may differ from the initial setting values.
- Make sure that connection is correctly made to AC power source.
- Turn on the power of the set and equipment before use, and start the adjustment procedures after waiting at least 30 minuets.
- Unless otherwise specified, prepare the most suitable reception or input signal for adjustment.
- Never touch any adjustment parts, which are not specified in the list for this adjustment variable resistors, transforms, condensers, etc.

Preparation for adjustment (presetting):
 Unless otherwise specified in the adjustment instructions, preset the following functions with the REMOTE CONTROL UNIT:

User mode setting condition

PICTURE SETTING (VSM)	COOL
SLEEP TIMER	OFF
HYPER SOUND	OFF
BALANCE	CENTER
ECO	OFF
ZOOM	FULL

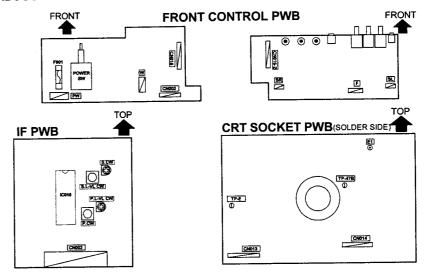
MEASURING INSTRUMENT AND FIXTURES

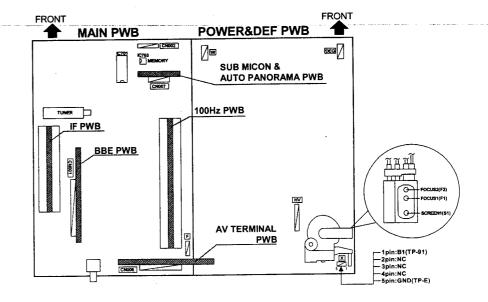
- 1. DC voltmeter (or digital voltmeter)
- Oscilloscope
- 3. Signal generator (Pattern generator) [PAL / SECAM / NTSC]
- 4. Remote control unit

ADJUSTMENT ITEMS

- Check Items before adjustment.
- FOCUS adjustment.
- IF circuit adjustment.
- VSM presetting.
- VIDEO / CHROMA circuit adjustment.
- DEFLECTION circuit adjustment.
- TEXT circuit adjustment.
- · AUDIO circuit adjustment. (Do not adjust)

ADJUSTMENT LOCATIONS





BASIC OPERATION OF SERVICE MENU

1. The adjustment using SERVICE MENU

The following adjustment items use the SERVICE MENU in the series of the adjustment. The adjustments are made on the basis of the initial setting values. The adjustment values which adjust the screen to the optimum condition can be different from the initial setting values. With the SERVICE NEMU, various settings can be made, and they are broadly classified in the following items of settings.

IF · · · · · Adjustment of the IF circuits.

V/C ····· Adjustment of the VIDEO/CHROMA circuit.

AUDIO Adjustment of the sound circuit [Do not adjust].

DEF Adjustment of the DEFLECTION circuit for each aspect mode given below. 16:9 ZOOM SUBTITLE (100/120Hz)

FULL

(100/120Hz)

PANORAMIC (100/120Hz)

VSM PRESET Adjustment of the initial setting values of VSM condition as COQL, NORMAL and WARM. (VSM : Video Status Memory)

STATUS Shows the monitor of the VPS [Do not adjust].

(VPS : Video Program System)

PIP····· Adjustment of the PIP circuit. But this model does not build in PIP system, because do not adjust.

TEXT Adjustment of the TEXT mode.

SHIPPING Setting the user setting values to initial condition [Do not adjust].

2. Key operation of the SERVICE MENU [Enter to SERVICE MENU]

Press the INFORMATION key and the MUTING key of the REMOTE CONTROL UNIT simultaneously. Then enter the SERVICE MENU mode as shown in Fig.1.

[Exit from SERVICE MENU]

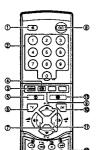
When complete the adjustment work, press the INFORMATION key to return to the SERVICE MENU

And then press the INFORMATION key again, return to the normal screen.

[Select from main menu]

In main SERVICE MENU, press the number (1~9) key of the remote control unit, to select any of the adjustment items.

The colours which selected item characters are changed.



SERVICE MENU



Muting key 2Number key 3 Zoom key 43D key SInformation key **6**TV key (7) Volume -/+ key (Function) ®Standby key (10Ok / Menu key ① ▲/▼ key (Function) **12TEXT/VCR/DVD** controls key (13)TEXT key JVC

[Method of setting]

/ LV 95 YYI / LLUG AV-32WFX1EUS AV-28WFX1EUG AV-28WFX1EUS

1. IF

[1, VCO] ①1 Kev ----- Select 1.IF.

②1 Key · · · · · Select 1.VCO (3) The VCO (CW) screen will be displayed a allow mark when the AFC voltage is at a certain level.

@INFORMATION Key · · · · · · As you press this twice, you will return to the SERVICE MENU.

[2. DELAY POINT]

①1 Kev----- Select 1.IF.

22 Key Select 2.DELAY POINT.

③FUNCTION -/+----- Set (adjust) the setting values of the setting items.

(4) MENU Key · · · · · · Memorize the set value.

(Before storing the setting values in memory, do not press the CH, TV, POWER ON / OFF

keys - if you do, the values will not be stored in memory.)

⑤INFORMATION Key · · · · · · When this is pressed twice, you will return to the SERVICE MENU.

13. LV LEVEL1

①1 Key · · · · · Select 1.IF

②3 Key · · · · · Select 3.LV LEVEL.

(3)FUNCTION -/+ Key · · · · · Set (adjust) the setting values of the setting items.

@MENU Key Memorize the set value.

(Before storing the setting values in memory, do not press the CH, TV, POWER ON / OFF keys

- if you do, the values will not be stored in memory.)

⑤INFORMATION Key · · · · · · When this is pressed twice, you will return to the SERVICE MENU.

2.V/C, 4.DEF, 5.VSM PRESET and 8.TEXT

①2, 4, 5, 8 Key · · · · · Select one from 2. V/C, 4. DEF, 5. VSM PRESET and 8.TEXT.

@FUNCTION UP/DOUN Key Select setting items.

③FUNCTION -/+ · · · · · Set (adjust) the setting values of the setting items.

(When 1.RGB BLK of 2.V/C is selected, press the FUNCTION-/+ key, and the whole will change to a black picture. Press the FUNCTION-/+ or 2 key, and the screen will return to the

original screen.)

(4)MENU Key Memorize the setting value.

(Before storing the setting values in memory, do not press the CH, TV, POWER ON / OFF key -

if you do, the values will not be stored in memory.)

SINFOMATION Key Return to the SERVICE MENU screen.

3.AUDIO, 6.STATUS and 9.SHIPPING

3.AUDIO (Do not adjust) · · · · · · It is no requirement to adjustment.

6.STATUS (Do not adjust) · · · · · · This mode displayed monitor of VPS. (Video Program Systems)

9.SHIPPING (Do not adjust) · · · · · This mode is set the initial setting value of user setting values, you need not to use it for service.

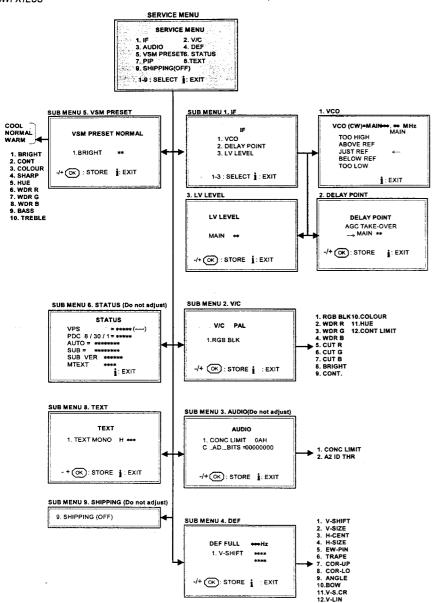
ADJUSTMENT

CHECK ITEMS BEFORE ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part		Descr	iption	
Check of B1	Signal	TP-91(B1)		1.	Receive any broadcast.		
Power supply	generator	TP-E(GND ↓) [X connector			2. Select 2.V/C from the SERVICE MENU.		
	DC voltmeter				Select 1.RGB BLK with Function	tion UP/DOWN key.	
		ON POWER & DEF		4.	Press the Function -/+ key, th	e whole black screen display.	
	PWB]		5.	Connect a DC voltmeter to TI			
				6.	Make sure that the voltage is	DC139.0V±2.0V.	
Check of High	Signal	CRT anode		1.	Receive any broadcast.		
voltage generator]		2.	2. Select 2.V/C from the SERVICE MENU.			
				3.	Select 1.RGB BLK with Function	tion UP/DOWN key.	
	High-voltage meter			4.	Press the Function -/+ key, th	e whole black screen display.	
				5.	Connect a High-voltage mete	r to CRT ANODE	
				6.	Make sure that the voltage is below.	s the value as shown in the tab	
					MODEL NAME	High-voltage ratio	
					AV-32WFX1EUG AV-32WFX1EUS	31.5kV +1kV -1.5kV	
			-		AV-28WFX1EUG AV-28WFX1EUS	30.5kV +1kV -1.5kV	

FOCUS ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part	Description
Adjustment of FOCUS	Adjustment of generator FOCUS 1 FOCUS 2 [In HVT] Signal generator FOCUS 2 [In HVT] 2. By turning the FOCUS 1 VR, adjuvertical line from the left side becomes thinnest. 3. By turning the FOCUS 2 VR, adjuborizontal line from the upper side becomes thinnest. 4. Carry out adjustment by repeating	2. By turning the FOCUS 1 VR, adjust the picture so that the 8th vertical line from the left side of the cross-hatch picture becomes thinnest. 3. By turning the FOCUS 2 VR, adjust the picture so that the 7th horizontal line from the upper side of the cross-hatch picture becomes thinnest. 4. Carry out adjustment by repeating the steps 2 and 3 above. 5. Make sure that when the screen is darkened, the lines remain		
Adjust	FOCUS2(I	F2)	FOCUS 2	FOCUS 1



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IF CIRCUIT Adjustment

ltem	Measuring instrument	Test point	Adjustment part	Description
Screen of TOO HIGH ABOVE REI JUST REFE BELOW RE TOO LOW	instrument Remote control unit VCO(CW)=MAIN ** TOO HIGH ABOVE REF JUST REF BELOW REF TOO LOW i EXI display S FERENCE FERENCE FERENCE	MAIN T	Adjustment part P. CW TRANSF. [On IF PWB] PP 2 Step 3	■ Under normal conditions, it is no adjustment required. ■ It must not adjust without signal. 1. Receive a broadcast. 2. Select 1.IF from the SERVICE MENU. 3. Press 1 key and select 1.VCO. 4. Select a SECAM L or PAL broadcast channel with the CHANNEL key. 5. Turn the core of P. CW TRANSF. until the arrow mark (—) on the screen points TOO HIGH (Step 1). 6. Turn the core of P. CW TRANSF. until the arrow mark (—) on the screen points TOO LOW (Step 2). 7. Then slowly turn back the core of P. CW TRANSF. until the arrow mark (—) on the screen points JUST REF (Step 3). 8. Press the INFORMATION key three times to return to normal screen. 9. Perform CHANNEL PRESET again, and make sure that each broadcast is being received properly.
	Setting iten (Adjustment it DELAY POINT AGC TAKE-OVE	em) ra		

ltem	Measuring instrument	Test point	Adjustment part	Description
Adjustment of LV LEVEL	Signal generator Oscilloscope [H-rate] Remote control unit	EXT-1 (9pin (Video OUT)	3. LV LEVEL	 Receive a SECAM-L full field colour bar signal (100% white). Connect an oscilloscope terminated 75 Ω to EXT-1 terminal of the signal (100% white). Select 1. IF from the SERVICE MENU. Press 3 key and select 3.LV LEVEL. Adjust the LV LEVEL by FUNCTION -/+ key and make the wave detector output 1.0Vp-p. Press the MENU key and memorize the set value.

VSM PRESETTING

item	Measuring instrument	Test point	Adjustment parts	Description
Setting of VSM PRESET ADJUST	Remote control unit		1. BRIGHT 2. CONT 3. COLOUR 4. SHARP 5. HUE 6. WDR R 7. WDR G 8. WDR B 9. BASS 10. TREBLE	Select COOL with the MENU key of the remote control unit. Select 5.VSM PRESET from the SERVICE MENU. Adjust the FUNCTION UP/DOWN and -/+ key to bring the set values of 1.BRIGHT ~ 10.TREBLE to the values shown in the table below. Press the MENU key and memorize the set value. Respectively select the VSM PRESET mode for NORMAL and WARM, and make similar adjustment as in 3 above. Press the MENU key and memorize the set value. Refer to OPERATING INSTRUCTIONS for the PICTURE MODE.
	SETTING VAI	LUES OF VSM	PRESET	

VSM preset mode Setting Item	COOL	NORMAL	WARM
1. BRIGHT SETTING VALUE	-3	+0	+0
2. CONT. SETTING VALUE	+12	-4	-12
3. COLOUR SETTING VALUE	+0	-1	-2
4. SHARP SETTING VALUE	+4	+4	+0
5. HUE SETTING VALUE	+0	+0	+0
6. WDR R SETTING VALUE	-16	+5	+11
7. WDR G SETTING VALUE	-4	+6	+5
8. WDR B SETTING VALUE	-2	+0	-6
9. BASS SETTING VALUE	+0	+0	+0
10.TREBLE SETTING VALUE	+0	+0	+0

VIDEO/CHROMA CIRCUIT ADJUSTMENT

The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values.

The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

Setting Item	Initial sett	ing value
(Adjustment Item)	PAL / SECAM	NTSC 3.58 NTSC 4.43
1.RGB BLK		***********
2.WDR R	+010	
3.WDR G	-007	
4.WDR B (Do not adjust)	+000	
5.CUT R	+000	
6.CUT G	+000	

Colour system	Initial sett	ing value
Setting item	PAL / SECAM	NTSC 3.58 NTSC 4.43
7.CUT B	+000	
8.BRIGHT	+000	
9.CONT	+012	
10.COLOUR	-008	-011
11.HUE		-002
12.CONT. LIMIT(Do not adjust)	+001	

item	Measuring instrument	Test point	Adjustment part	Description
Adjustment of WHITE BALANCE	Signal generator Remote control unit		2.WDR R 3.WDR G 5.CUT R 6.CUT G 7.CUT B	Set the PICTURE MODE to NORMAL. Receive a black and white signal(colour off). Select 2. V/C from the SERVICE MENU. Modify 2. WDR R and 3.WDR G data to adjust the white balance (high light). Modify 5. CUT R, 6. CUT G and 7. CUT B data to adjust the white balance (low light). Press the MENU key and memorize the set value.
Adjustment of SUB BRIGHT	Remote control unit		8.BRIGHT	1. Receive any broadcast. 2. Select 2.V/C from the SERVICE MENU. 3. Select 8.BRIGHT with the FUNCTION UP/DOWN key. 4. Set the initial setting value with the FUNCTION -/+ key. 5. If the brightness is not the best with the initial setting value make fine adjustment until you get the best brightness. 6. Press the MENU key and memorize the set value.
Adjustment of SUB CONT.	Remote control unit		9.CONT	1. Receive any broadcast. 2. Select 2.V/C from the SERVICE MENU. 3. Select 9.CONT with the FUNCTION UP/DOWN key. 4. Set the initial setting value with the FUNCTION - or + key. 5. If the contrast is not the best with the initial setting value, make fine adjustment until you get the best contrast. 6. Press the MENU key and memorize the set value.

ltem	Measuring instrument	Test point	Adjustment part	Description
Adjustment of SUB	Remote control unit		10.COLOUR	[Method of adjustment without measuring instrument]
COLOURI			PAL COLOUR	(PAL COLOUR) 1. Receive PAL broadcast. 2. Select 2.V/C from the SERVICE MENU. 3. Select 10.COLOUR with the FUNCTION UP/DOWN key. 4. Set the initial setting value for PAL COLOUR with the FUNCTION - or + key. 5. If the colour is not the best with the initial set value, make fine adjustment until you get the best colour. 6. Press the MENU key and memorize the set value.
			SECAM COLOUR	(SECAM COLOUR) 1. Receive a SECAM broadcast. Make fine adjustment of SECAM COLOUR in the same manner as for above.
			NTSC COLOUR	(NTSC 3.58 COLOUR) 1. Input a NTSC 3.58MHz COMPOSITE VIDEO signal from the EXT terminal. 2. Make similar fine adjustment of NTSC 3.58 COLOUR in the same manner as for above.
				(NTSC 4.43 COLOUR) 1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.

ltem	Measuring instrument	Test point	Adjustment part	Description				
Adjustment of SUB COLOUR II	generator TP-E(⊥)		10.COLOUR	[Method of adjustment using measuring instrument]				
	Remote control unit	(A)	PAL COLOUR (-) A	(PAL COLOUR) 1. Receive a PAL full field colour bar signal(75% white). 2. Select 2.V/C from the SERVICE MENU. 3. Select 10.COLOUR with the FUNCTION UP/DOWN key. 4. Set the initial setting value of PAL COLOUR with FUNCTION - or + key. 5. Connect the oscilloscope between TP-47B and TP-E 6. Adjust PAL COLOUR and bring the value of (A) in the illustration-7V (voltage difference between white (w) and blue (B)). 7. Press the MENU key and memorize the setting value.				
			SECAM COLOUR	(SECAM COLOUR) 1. Receive a SECAM full field colour bar signal(75% white). 2. Set the initial setting value of SECAM COLOUR with the FUNCTION -/+ key. 3. Adjust SECAM COLOUR and bring the value of (A) of the illustration to -6V(W~B). 4. Press the MENU key and memorize the setting value.				
			NTSC COLOUR	(NTSC 3.58 COLOUR) 1. Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal. 2. Set the initial setting value of NTSC 3.58 COLOUR with the FUNCTION -/+ key. 3. Adjust NTSC 3.58 COLOUR and bring the value of (A) of the illustration to -3V(W~B). 4. Press the MENU key and memorize the setting value.				
				(NTSC 4.43 COLOUR) 1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.				

ltem	Measuring instrument	Test point	Adjustment part	Description
Adjustment of	Remote control unit		11.HUE	[Method of adjustment without measuring instrument]
SUB HUE I			NTSC 3.58 HUE	[NTSC 3.58 HUE] 1. Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal. 2. Select 2.V/C from the SERVICE MENU. 3. Select 11.HUE with the FUNCTION UP/DOWN key. 4. Set the initial setting value of NTSC 3.58 HUE with the FUNCTION -/+ key. 5. If you cannot get the best hue with the initial setting value, make fine adjustment until you get the best hue. 6. Press the MENU key and memorize the set value.
			NTSC 4.43 HUE	[NTSC 4.43 HUE] 1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.
Adjustment of	Signal generator	TP-47B TP-E()	11.HUE	[Method of adjustment using measuring instrument]
SUB HUE II	Oscilloscope Remote control unit	[CRT SOCKET PWB]	NTSC 3.58 HUE	[NTSC 3.58 HUE] 1. Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal. 2. Select 2.V/C from the SERVICE MENU. 3. Select 11.HUE with the FUNCTION UP/DOWN key. 4. Set the initial setting value of NTSC 3.58 HUE with the FUNCTION - or + key. 5. Connect the oscilloscope between TP-47B and TP-E 6. Adjust NTSC 3.58 HUE to bring the value of (B) in the illustration to -13V (voltage difference between white (W) and magenta(Mg)). 7. Press the MENU key and memorize the setting value
			NTSC 4.43 HUE	[NTSC 4.43 HUE] When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.

AV-32WFX1EUG AV-32WFX1EUS AV-28WFX1EUG AV-28WFX1EUS

DEFLECTION CIRCUIT ADJUSTMENT

There are 2 modes of the adjustment (1) 100Hz mode (①FULL ②PANORAMIC, ③16:9 ZOOM SUBTITLE), (2) 120Hz mode (each aspect mode) · · · · · · depending upon the kind of signals (vertical frequency 100Hz / 120Hz).

- When the 100Hz FULL mode has been established, the setting of the other modes will be done automatically.
- However, if the picture quality has not been optimized, adjust each mode again, respectively.
- The adjustment using the remote control unit is made on the basis of the initial setting values.
- The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- Regular and Zoom switching is conducted not by the Deflection circuit, but by the 100 Hz PWB. Therefore, the deflection system cannot be adjusted in these modes.

INITIAL SETTING VALUE OF AV-32WFX1EUG / AV-32WFX1EUS

Setting item	Adjustment name	FULL		PANO	PANORAMIC		A SUBTITLE
Setting item	Adjustment name	100Hz	120Hz	100Hz	120Hz	100Hz	120Hz
1.V- SHIFT	Vertical center	-1	-1	-2	0	-7	-1
2.V-SIZE	Vertical height	+17	-2	+4	+1	+4	0
3.H-CENT	Horizontal center	-3	-1	+1	0	0	0
4.H-SIZE	Horizontal width	-11	-2	0	0	0	0
5.EW-PIN	Side pin correction	+35	-1	+7	-1	+6	+2
6.TRAPEZ	Trapezoidal distortion correction	+6	0	+1	0	0	0
7.COR-UP	Comer upper	+7	+2	+1	+1	+3	0
8.COR LO	Corner lower	+2	0	-9	+1	-8	-3
9.ANGLE	Angle correction	0	0	0	0	0	0
10.BOW	Bow-shaped distortion correction	0	0	0	0	0	0
11.V-S.CR	Vertical height correction	-3	0	+7	· 0	+7	0
12.V-LIN	Vertical Linearity	-3	+2	-22	0	-30	0

INITIAL SETTING VALUE OF AV-28WFX1EUG / AV-28WFX1EUS

Setting item	Adjustment name	FL	ILL .	PANORAMIC		16:9 ZOOM SUBTITLE	
Setting item	Aujustilielit lialile	100Hz	120Hz	100Hz	120Hz	100Hz	120Hz
1.V- SHIFT	Vertical center	-1	-1	-2	0	-7	-1
2.V-SIZE	Vertical height	+17	-2	+4	+1	+4	0
3.H-CENT	Horizontal center	-3	-1	+1	0	. 0	0
4.H-SIZE	Horizontal width	-11	-2	0	0	0	0
5.EW-PIN	Side pin correction	+35	-1	+7	-1	+6	+2
6.TRAPEZ	Trapezoidal distortion correction	+6	0	+1	0	0	0
7.COR-UP	Corner upper	+7	+2	+1	+1	+3	0
8.COR LO	Corner lower	+2	0	-9	+1	-8	-3
9.ANGLE	Angle correction	0	0	0	0	0	0
10.BOW	Bow-shaped distortion correction	0	0	0	0	0	0
11.V-S.CR	Vertical height correction	-3	0	+7	0	+7	0
12.V-LIN	Vertical Linearity	-3	+2	-22	0	-30	0 .

Item	Measuring instrument	Test point	Adjustment part .		Description	
Adjustment of V-SHIFT	Signal generator Remote control unit	1	I.V- SHIFT	Receive Select 4 Select 1 Adjust V	ange the ASPECT mode to a circle pattern signal of ver .DEF from the SERVICE MI. V-SHIFT with the FUNCTIC -SHIFT to make A = B. see MENU key and memorize	tical frequency 50Hz. ENU. DN UP/DOWN key.
			→ A			
Adjustment of V-SIZE	Signal generator Remote control unit		2.V-SIZE	7. Select 2 8. Adjust 1 the pict 9. Press th 10. Input a	e a cross-hatch signal. 2.V-SIZE and set the initial s V-SIZE and make sure that ure size is in the bellow table ne MENU key and memorize NTSC VIDEO signal (60H	the vertical screen size the set value. from the EXT termin
Screen	Pictu	re size 100%	Picture size 100%	below a	ake sure that the vertical s as same as 50Hz adjustmen the MENU key and memorize	condition.
	ze (both 32inch a	FULL	PANC	PRAMIC	16:9 ZOOM SUB TITLE	
SCREEN TOP 92%		92%	8	7%	70%	
SCR						

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Item Measuring instrument Test point Adjustment part		ent part	Description		
f Signal generator Remote control unit	3.H-CENT.	13. Select 4.I 14. Adjust H-	H-CENT and set the initial setting CENT to make C=D.		
C	D				
Signal generator Remote control unit	4.H-SIZE	17. Select 4.I 18. Adjust H- of the pic 19. Press the 20. Input a N make sur	H-SIZE and set the initial setting v SIZE and make sure that the ho ture size is in the bellow table, MENU key and memorize the se TSC VIDEO signal (60Hz) from the that the horizontal screen size i	orizontal screen size ot value. ne EXT terminal, and is in the table below.	
size] ASPECT SIZI		BANGBANIC	16:0 ZOOM SUBTITIE		
2WFX1EUG 2WFX1EUS	92%	95%	92%		
8WFX1EUG 8WFX1EUS	92%	95%	92%		
Signal generator Remote control unit	5.EW-PIN	23. Adjust E\ right edg vertical li	W-PIN and make the 2nd vertical es of the screen straight. Also ma nes are straight.	lines at the left and ake sure that the 3rd	
	Signal generator Remote control unit Signal generator Remote control unit C Signal generator Remote control unit Size J ASPECT SIZE ZWFX1EUG ZWFX1EUG ZWFX1EUS SWFX1EUS SWFX1EUS WFX1EUS REMOTE CONTROL Unit	Signal generator Remote control unit Signal generator Remote Size J ASPECT SIZE FULL ZWFX1EUG 92% SWFX1EUG 92% SWFX1EUG 92% Signal generator Remote 5.EW-PIN	Signal generator Remote control unit Signal generator Remote control unit	Instrument I est point Adjustment part Description Signal generator Remote control unit	

Item	Measuring instrument	Test point	Adjustment part	Description
Adjustment of TRAPEZ	Signal generator Remote control unit	allet	6.TRAPEZ	25. Receive a cross-hatch signal. 26. Select 6.TRAPEZ with the FUNCTION UP/DOWN key. 27. Set the initial setting value of TRAPEZ with the FUNCTION or + key. 28. Adjust TRAPEZ and bring the VERTICAL lines at the right and left edges of the screen parallel. 29. Press the MENU key and memorize the set value.
Adjustment of	Signal		7.COR-UP	30. Select 8.COR-LO with the FUNCTION UP / DOWN key.
CORNER UP/ LOW	generator Remote control unit	84-	8.COR-LO	30. Select 8.COR-LO with the FUNCTION UP / DOWN key. 31. Set the initial setting value of COR-LO with the FUNCTION – or + key. 32. Adjust COR-LO, and bring the line to straight at the corner of the screen bottom.
				33. Select 7.COR-UP with the FUNCTION UP / DOWN key. 34. Set the initial setting value of COR-UP with the FUNCTION – or + key. 35. Adjust COR-UP, and bring the line to straight at the corner of the screen top. 36. Press the MENU key and memorize the set value.
Adjustment of ANGLE	Signal generator Remote control unit		9.ANGLE	In case where there is a parallelogrammical distortion of images on the screen like as shown in Fig.A. Select 9.ANGLE with the FUNCTION UP / DOWN key. Adjust 9. ANGLE, and bring the VERTICAL lines to straight as shown in Fig.B. Press the MENU key and memorize the set value.
	(A)		•	(B)
	<u> </u>			

TEXT CIRCUIT ADJUSTMENT

Setting item	Variable range	Initial setting value
1. TEXT MONO H	00H ∼ FFH	0DH
2. TEXT MIX H	00H ∼ FFH	00Н

TEXT MONO 1. Receive any broad 2. Select 8.OSD / TE 3. Select 1.TEXT MONO 4. Push TEXT key to 5. Push "SUBPAGE" figure. 6. Adjust the value of with the FUNCTIO	key to check adjustment every adjust.
18	ey, and memorize the set vaices.
MODEL ALL MODE	A [mm]

AUDIO CIRCUIT ADJUSTMENT

Do not adjust 3. AUDIO of the SERVICE MENU as it requires no adjustment.
3. AUDIO

Setting Item	Variable range	Initial setting value (fixed)
1. CONC LIMIT (Do not adjust)	00H∼FFH	ОАН
2. A2 ID THR(Do not adjust)	00H∼FFH	19H

ltem	Measuring instrument	Test point	Adjustment part	Description
Adjustment of BOW	Signal generator Remote control unit		10.BOW	In case where there is a bow-shaped distortion of images of the screen as shown in Fig.C. Select 10.BOW with the FUNCTION UP/DOWN key. Adjust 10.BOW, and bring the VERTICAL lines to straight. Press the MENU key and memorize the set value as shown Fig.D.
	(c)		•	(D)
Adjustment of V-S.CR & V.LINE	Signal generator Remote control unit		11.V-S.CR 12.V.LIN. TOP CENTER BOTTOM	When the vertical linearity has been deteriorated remarkable perform the following steps. As Receive a cross-hatch signal. 4. Select 12. V.LIN with the FUNCTION UP / DOWN key. 45. Set the initial setting value of 12. V.LIN with the FUNCTION - / + key. 46. Select 11. V-S.CR. with the FUNCTION UP / DOWN key. 47. Set the initial setting value of 11. V-S.CR. with the FUNCTION - / + key. 48. Adjust 12. V.LIN and 11. V-S.CR. so that the spaces of earline on TOP, CENTER, and BOTTOM become uniform. NOTE: Do not adjust "PANORAMIC" & "16: 9 ZOOM SUBTITL mode.
	-			At first the adjustment in 100Hz-FULL mode should be don then the data for the other aspect mode is corrected in the respective value at the same time. And confirm the deflective adjustment initial setting value in 120Hz (NTSC EXT mode). If the adjustment in 100Hz each aspect mode in been done and stored, the data for the same aspect modes 120Hz is corrected in the respective value. Only the data in the other aspect mode in 120Hz is corrected for itself.

REPLACEMENT OF CHIP COMPONENT

■ CAUTIONS

- 1. Avoid heating for more than 3 seconds.
- 2. Do not rub the electrodes and the resist parts of the pattern.
- 3. When removing a chip part, melt the solder adequately.
- 4. Do not reuse a chip part after removing it.

■ SOLDERING IRON

- 1. Use a high insulation soldering iron with a thin pointed end of it.
- 2. A 30w soldering iron is recommended for easily removing parts.

■ REPLACEMENT STEPS

- 1. How to remove Chip parts
- Resistors, capacitors, etc
- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



(2) Shift with tweezers and remove the chip part.



- ◆ Transistors, diodes, variable resistors, etc
- (1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



Note: After removing the part, remove remaining solder from the pattern.

2. How to install Chip parts

Resistors, capacitors, etc

(1) Apply solder to the pattern as indicated in the figure.



(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.



- ♦ Transistors, diodes, variable resistors, etc
- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead A as indicated in the figure.



(4) Then solder leads B and C.



PARTS LIST

CAUTION

- The parts identified by the Δ symbol are important for the safety. Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines —— in the Parts No. columns will not be supplied.
- P. W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

	RESISTORS		CAPACITORS
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	HV CAP.	High Voltage Capacitor
HVR	High Voltage Resistor	MF CAP.	Metalized Film Capacitor
MFR	Metal Film Resistor	MM CAP.	Metalized Mylar Capacitor
MG R	Metal Glazed Resistor	MP CAP.	Metalized Polystyrol Capacitor
MPR	Metal Plate Resistor	PP CAP.	Polypropylene Capacitor
OMR	Metal Oxide Film Resistor	PS CAP.	Polystyrol Capacitor
CMF R	Coating Metal Film Resistor	TF CAP.	Thin Film Capacitor
UNF R	Non-Flammable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CHVR	Chip Variable Resistor	TAN, CAP.	Tantalum Capacitor
CH MG R	Chip Metal Glazed Resistor	CH C CAP.	Chip Ceramic Capacitor
COMP. R	Composition Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

TOLERANCES									
F	G	j	к	М	N	R	н	z	Р
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

AV-32WFX1EUG AV-32WFX1EUS AV-28WFX1EUG AV-28WFX1EUS

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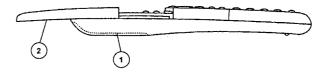
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■ REMOTE CONTROL UNIT PARTS LIST
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CRT SOCKET PW BOARD ASS'Y
• FRONT CONTROL PW BOARD ASS'Y 47
● BBE PW BOARD ASS'Y
● IF PW BOARD ASS'Y
• AV TERMINAL PW BOARD ASS'Y
SUB MICON & AUTO PANORAMA PW BOARD ASSY
● 100Hz PW BOARD ASS'Y
■ PACKING / PACKING PARTS LIST
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CRT SOCKET PW BOARD ASS'Y
• FRONT CONTROL PW BOARD ASS'Y 64
• BBE PW BOARD ASS'Y
• IF PW BOARD ASS'Y
AV TERMINAL PW BOARD ASS'Y
SUB MICON & AUTO PANORAMA PW BOARD ASS'Y
• 100Hz PW BOARD ASS'Y
■ PACKING / PACKING PARTS LIST 68

USING PW BOARD & REMOTE CONTROL UNIT

Model PWB ASS'Y	AV-32WFX1EUG	AV-32WFX1EUS	AV-28WFX1EUG	AV-28WFX1EUS
MAIN PWB	SMD-1006A-U2		SMD-1007A-U2	
POWER & DEF PWB	SMD-2006A-U2	-	SMD-2007A-U2	—
IF PWB	SMD0F003A-U2	-	←	←
SUB MICON & AUTO PANORAMA PWB	SMD0W003A-U2			
100Hz PWB	SMD0Z005A-U2	-	SMD0Z006A-U2	
CRT SOCKET PWB	SMD-3005A-U2	-	4	-
FRONT CONTROL PWB	SMD-8005A-U2	4	SMD-8006A-U2	-
BBE PWB	SMD0A001A-U2	←	-	
AV TERMINAL PWB	SMD0J003A-U2	-	-	←
REMOTE CONTROL UNIT	RM-C50-1C	←	—	-

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REMOTE CONTROL UNIT PARTS LIST [RM-C50-1C]



△ Ref. No.	Part No.	Part Name	Description	
1 2	2AA027770 2AA027761	BATTERY COVER SLIDE COVER		

No.51700

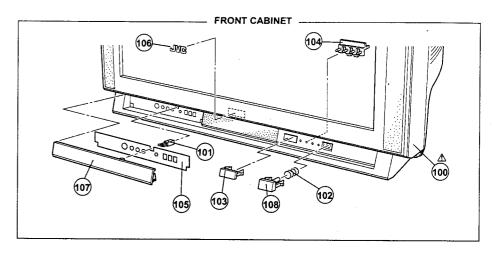
AV-32WFX1EUG/ AV-32WFX1EUS

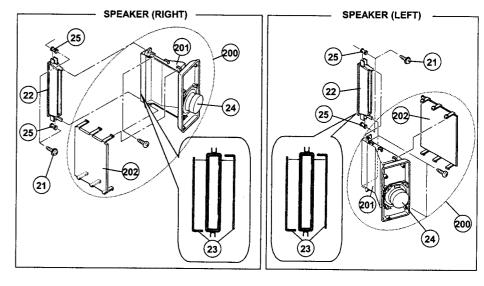
EXPLODED VIEW PARTS LIST (I)

∆ Ref. No.	Part No.	Part Name	Description
21	LC40506-001A	TAP SCREW	(×4)For HORN ADAPTER
22 23	LC10379-001A-U	HORN ADAPTER	(×2)
23	LC30820-001C	STICK SHEET	(×4)
24 25	CEBSF10P-02KJ6	SPEAKER	(×2) SP01, SP02
25	LC40226-001A	SPACER	(×4)
200	2528MXSP-2SE	DOME SPK BOX	(×2) Inc. No. 201~202
201	CM12463-D01-E	HORN	(×2)
202	CM12464-D01-E	HORN PANEL	(×2)
Δ 100	LC10376-007A-U	FRONT CABI ASSY	Inc. No. 101 ~ 108 [AV-32WFX1EUG]
▲ 100	LC10376-010B-U	FRONT CABI ASSY	Inc. No. 101 ~ 108 [AV-32WFX1EUS]
101	CM48229-00A	DOOR LATCH	
102	CM35235-003-H	SPRING	
103	LC30579-001B-C	REMOCON WINDOW	
104	LC30580-001B-C	L. E. D. LENS	
105	LC30597-002A-U	CONTROL SHEET	[AV-32WFX1EUG]
105	LC30597-007A-U	CONTROL SHEET	[AV-32WFX1EUS]
106	LC40354-001C-C	JVC MARK	
107	LC20265-008A-U	DOOR	(SERVICE) [AV-32WFX1EUG]
107	LC20265-012B-U	DOOR	(SERVICE) [AV-32WFX1EUS]
108	LC30578-002A-C	POWER KNOB	(SERVICE) [AV-32WFX1EUG]
	LC30578-002A-C	POWER KNOS	(SERVICE) [AV-32WFX1EUS]
108			

AV-32WFX1EUG / AV-32WFX1EUS A

EXPLODED VIEW (I)

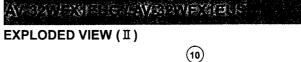


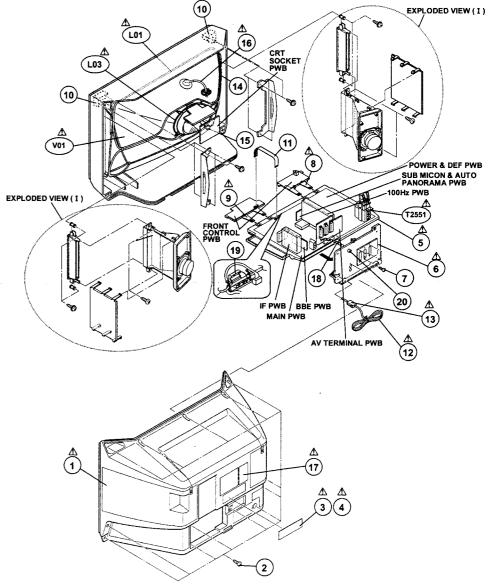


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EXPLODED VIEW PARTS LIST (II)

△ Ref. No.	Part No.	Part Name	Description
∆ V01	W76ERF031X044	CRT	Inc. DY, PC, WED
∆ L01	QQWQQ66-001	DEG COIL	
₹ 103	CELD904-001	ROTATION COIL	
▲ T2551	QQH0054-002-12	H. V. TRANSF.	(SERVICE) Within POWER & DEF PWB
Δ 1	LC10378-001D-U	REAR GOVER	[AV-32WFX1EUG]
Δi	LC10378-003A-U	REAR COVER	[AV-32WFX1EUS]
2 2	QYSBSAG4016N	TAPPING SCREW	(×13) For REAR COVER
Δ 3	LC20380-002A-U	RATING LABEL	For ENG/GER/FRA [AV-32WFX1EUG]
<i>Z</i> L 3	L020300-002A-0	RATING LADEL	FOI ENGLUEN/FRA [AV-32HFATEOU]
∆ 3	LC20380-005A-U	RATING LABEL	For ENG/GER/FRA [AV-32WFX1EUS]
∆ 4	LC20379-002A-U	RATING LABEL	For ENG/GER/ITA [AV-32WFX1EUG]
∆ 3 ∆ 4 ∆ 4 ∆ 5 ∧ 6	LC20379-005A-U	RATING LABEL	For ENG/GER/ITA [AV-32WFX1EUS]
△ 4 △ 5 △ 6 7	LC10716-001D-U	CHASSIS BASE	
Ā 6	LC10717-001B-U	AV BOARD	
— j	QYSBSB3012M	TAPPING SCREW	(×4)For AV BOARD
∆ 8	LC10380-001C-U	CONTROL BASE L	
∆ 8 ∆ 9	LC10380-002B-U	CONTROL BASE R	
10	LC20508-001D-U	ADAPTER	(×4)
ii	CHFD125-14BD	FFC WIRE	` -3
∆ 12	QMPK160-185-JC	POWER CORD	
	CM46618-A01-E	POWER CORD CLAMP	
14	CHGB0029-0C	BRAIDED ASSY	
15	CHGB0017-0B	BRAIDED SUB ASSY	(×2)
	QNZ0407-001	ANODE WIRE ASSY	, -,
Δ 16 Δ 17	LC30789-002A-U		
18	WJX0006-001A	E-COAXIAL ASSY	
19	QQRQ491-001	FILTER	
20	CE42112-002	PALJ CONNECTOR	





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AV-32WFX1EUG / AV-32WFX1EUS

PRINTED WIRING BOARD PARTS LIST

∆ Symbal No.	Part No.	SS'Y (SMD-1	Description	∆ Symbol No.	Part No.	Part Name	Description
	ISTOR			RESI	STOR		
R1001 R1002 R1003-06 R1101-03 R1104 R1105 R1107 R1107 R1108	ORK126J-474X HRSA02J-103X HRSA02J-102X HRSA02J-102X HRSA02J-102X HRSA02J-391X HRSA02J-391X HRSA02J-102X	C R MG R MG R MG R MG R MG R MG R	470kΩ 1/2H J 10kΩ 1/10H J 1kΩ 1/10H J 1kΩ 1/10H J 680Ω 1/10H J 3.9kΩ 1/10H J 390Ω 1/10H J 1kΩ 1/10H J	R1221 R1222 R1223 R1224 R1225-26 R1227 R1228 R1229	MRSA02J-391X MRSA02J-823X MRSA02J-0R0X MRSA02J-391X MRSA02J-223X MRSA02J-104X MRSA02J-680X QRK126J-181X	45 R 45 R 46 R 46 R 46 R 46 R C R	390Ω 1/10W J 82%Ω 1/10W J 0.90 1/10W J 390Ω 1/10W J 12%Ω 1/10W J 100%Ω 1/10W J 68Ω 1/10W J 180Ω 1/2W J
R1109 R1110 R1111 R1112 R1113 R1121-22 R1123 R1124	NRSA02J-103X NRSA02J-472X NRSA02J-821X NRSA02J-101X NRSA02J-102X NRSA02J-002X HRSA02J-152X NRSA02J-821X	MG R MG R MG R MG R MG R MG R MG R	10kΩ 1/10k J 4.7kΩ 1/10k J 8200 1/10k J 1000 1/10k J 1001 1/10k J 0.0Ω 1/10k J 1.5kΩ 1/10k J 1.5kΩ 1/10k J 8200 1/10k J	R1231 R1232 R1233 R1242 R1243 R1244 R1245 R1246	QRG01GJ-101 BRSA02J-101X QRSA02J-222X QRSA02J-223X BRSA02J-473X QRSA02J-683X BRSA02J-153X QRSA02J-103X	OM R MG R MG R MG R MG R MG R MG R	100Ω IN J 100Ω 1/10M J 2.2kΩ 1/10M J 22kΩ 1/10M J 47kΩ 1/10M J 68kΩ 1/10M J 15kΩ 1/10M J 10kΩ 1/10M J
R1125-27 R1128 R1131-33 R1134 R1135 R1136 R1137 R1138	NRSA02J-103X HRSA02J-153X NRSA02J-102X HRSA02J-581X NRSA02J-561X NRSA02J-681X HRSA02J-102X NRSA02J-391X	MG R MG R MG R MG R MG R MG R MG R	10KΩ 1/10W J 15KΩ 1/10W J 1KΩ 1/10W J 680Ω 1/10W J 680Ω 1/10W J 680Ω 1/10W J 1KΩ 1/10W J 190Ω 1/10W J	R1247 R1248 R1249 R1250 R1251 R1252 R1253 R1254	HRSA02J-473X HRSA02J-273X HRSA02J-103X HRSA02J-222X HRSA02J-333X HRSA02J-222X HRSA02J-333X HRSA02J-823X	MG R MG R MG R MG R MG R MG R MG R	47kΩ 1/10N J 27kΩ 1/10W J 10kΩ 1/10W J 2.2kΩ 1/10W J 2.2kΩ 1/10W J 2.2kΩ 1/10W J 33kΩ 1/10W J 82kΩ 1/10W J
R1140 R1141 R1142 R1151 R1152-53 R1154 R1155 R1156	NRSAO2J-103X NRSAO2J-472X NRSAO2J-821X NRSAO2J-222X HRSAO2J-102X NRSAO2J-661X NRSAO2J-661X NRSAO2J-681X	MG R MG R MG R MG R MG R MG R MG R	10kΩ 1/10M J 4.7kΩ 1/10M J 820Ω 1/10M J 2.2kΩ 1/10M J 1kΩ 1/10M J 680Ω 1/10M J 560Ω 1/10M J 680Ω 1/10M J	R1255 R1256 R1257 R1258 R1259 R1260-61 R1262 R1263	IRISAO2J-OROX IRISAO2J-391X IRISAO2J-823X IRISAO2J-OROX IRISAO2J-391X IRISAO2J-223X IRISAO2J-104X IRISAO2J-222X	MG R MG R MG R MG R MG R MG R MG R	0.00 1/10W J 3900 1/10W J 82K0 1/10W J 0.00 1/10W J 3900 1/10W J 22K0 1/10W J 10000 1/10W J 2.2K0 1/10W J
R1157 R1158 R1160 R1161 R1162 R1171 R1172	HRSA02J-102X MRSA02J-391X MRSA02J-103X MRSA02J-472X MRSA02J-821X MRSA02J-103X MRSA02J-562X MRSA02J-221X	MG R MG R MG R MG R MG R MG R	1KQ 1/10M J 3900 1/10M J 10KQ 1/10M J 4.7KQ 1/10M J 820Q 1/10M J 10KQ 1/10M J 5.6KQ 1/10M J 220Q 1/10M J	R1264 R1265 R1266 R1267-69 R1277-79 R1280 R1281 R1282	報5A02J-333X 服5A02J-222X 服5A02J-333X 銀5A02J-750X 服5A02J-750X 服5A02J-223X 服5A02J-473X 駅5A02J-683X	MG R MG R MG R MG R MG R MG R MG R	33kQ 1/10M J 2.2kQ 1/10M J 33kQ 1/10M J 75Q 1/10M J 75Q 1/10M J 22kQ 1/10M J 47kQ 1/10M J 68kQ 1/10M J
R1174 R1175 R1176 R1177 R1178 R1179 R1201-02 R1203	NRSA02J-272X NRSA02J-102X NRSA02J-392X NRSA02J-472X NRSA02J-9R0X NRSA02J-272X NRSA02J-103X NRSA02J-750X	NG R NG R NG R NG R NG R NG R NG R	2.7kΩ 1/10H j 1kΩ 1/10W j 3.9kΩ 1/10W j 4.7kΩ 1/10W j 4.7kΩ 1/10W j 0.0Ω 1/10W j 2.7kΩ 1/10W j 10kΩ 1/10W j 75Ω 1/10W j	R1283 R1284 R1285 R1286 R1287 R1288 R1289 R1290	INSAO2J-153X INSAO2J-103X INSAO2J-473X INSAO2J-273X INSAO2J-223X INSAO2J-222X INSAO2J-2333X INSAO2J-222X	NG R NG R NG R NG R NG R NG R NG R	15kΩ 1/10M J 10kΩ 1/10M J 47kΩ 1/10M J 27kΩ 1/10M J 10kΩ 1/10M J 2.2kΩ 1/10M J 33kΩ 1/10M J 2.2kΩ 1/10M J 2.2kΩ 1/10M J
R1204 R1205 R1206 R1207 R1208 R1209 R1210 R1211	QRK126J-151X MRSA02J-101X QRG01GJ-101 NRSA02J-223X NRSA02J-473X NRSA02J-683X NRSA02J-153X NRSA02J-103X	CR MGR OMR MGR MGR MGR MGR	150Ω 1/2W J 100Ω 1/10W J 100Ω 1W J 22kΩ 1/10W J 47kΩ 1/10W J 68kΩ 1/10W J 15kΩ 1/10W J 10kΩ 1/10W J	R1291 R1292 R1301 R1302 R1303 R1304 R1305 R1306	MRSA02J-333X MRSA02J-471X MRSA02J-101X MRSA02J-471X MRSA02J-101X MRSA02J-471X MRSA02J-221X MRSA02J-271X	MG R MG R MG R MG R MG R MG R MG R	33kD 1/10M J 4700 1/10M J 1000 1/10M J 4700 1/10M J 1000 1/10M J 4700 1/10M J 2700 1/10M J 2700 1/10M J
R1212 R1213 R1214 R1215 R1216 R1217 R1218 R1219	NRSAQ2J-473X NRSAQ2J-273X NRSAQ2J-103X NRSAQ2J-222X NRSAQ2J-333X NRSAQ2J-323X NRSAQ2J-333X NRSAQ2J-323X	NG R NG R NG R NG R NG R NG R NG R	47kΩ 1/10w J 27kΩ 1/10w J 10kΩ 1/10w J 2.kΩ 1/10w J 3.kΩ 1/10w J 2.kΩ 1/10w J 33kΩ 1/10w J 82kΩ 1/10w J	R1307 R1308 R1309 R1310 R1311 R1312 R1313 R1314-15	#RSA02J-101X #RSA02J-471X #RSA02J-101X #RSA02J-271X #RSA02J-271X #RSA02J-271X #RSA02J-101X #RSA02J-471X	MG R MG R MG R MG R MG R MG R MG R	1000 1/10H J 4700 1/10M J 1000 1/10M J 4700 1/10H J 2200 1/10H J 2700 1/10H J 1000 1/10H J 4700 1/10H J
R1220	NRSAOZJ-OROX	NG R	0.0Ω 1/10W J	R1317-18	WRSA0 2J-101X	MG R	100Ω 1/10W J
				1			

RES	ISTOR		Description
KES	13108		
R1320	MRSA02J-221X	HG R	220Ω 1/10W J
R1323-24	NRSA02J-562X	MG R	5.6kΩ 1/10W J
R1326-29	MRSAO2J-152X	MG R	1.5kΩ 1/10W J
R1330	NRSA023-103X	MG R	10kΩ 1/10W J
R1331	NRSA02J-101X	MG R	100Ω 1/10W J
R1332-33	NRSAO2J-471X	MG R	470Ω 1/10W J
R1334-35	MRSAOZJ-152X	MG R	1.5kΩ 1/10W J
R1336	MRSA02J-101X	MG R	100Ω 1/10W J
R1337	NRSA02J-103X	MG R	10kΩ 1/10W J
R1338-40	NRSA02J-101X	MG R	100Ω 1/10W J
R1341	NRSA02J-183X	MG R	18kΩ 1/10W J
R1342	MRSA02J-823X	MG R	82kΩ 1/10₩ J
R1343-44 R1345-46	MRSA02J-101X	MG R	100Ω 1/10W J
R1347	NRSA02J-103X	NG R	10kΩ 1/10W J
R1348	NRSAO2J-562X NRSAO2J-471X	MG R MG R	5.6kΩ I/10W J 470Ω 1/10W J
R1349		MG R	
R1349	NRSAO2J-152X NRSAO2J-271X	MG R	1.5kΩ 1/10W J 270Ω 1/10W J
R1381	NRSA02J-102X	MG R	1kΩ 1/10W J
R1382	NRSA02J-152X	MG R	1.5kΩ 1/10W J
R1383	NRSA02J-822X	MG R	8.2kΩ 1/10W J
R1384	NRSA02J-683X	MG R	68kΩ 1/10W
R1385	NRSA02J-273X	MG R	27kΩ 1/10W J
R1386	NRSA02J-102X	MG R	1kΩ 1/10W J
R1387	NRSAO2J-683X	MG R	68kΩ 1/10W J
R1388	NRSA02J-273X	MG R	27kΩ 1/10W J
R1389	NRSAOZJ-102X	MG R	1kΩ 1/10W J
R1390	NRSA02J-683X	MG R	68kΩ 1/10W J
R1391	NRSA02J-273X	MG R	27kΩ 1/10W J
R1392	NRSA02J-102X	MG R	1kΩ 1/10W)
R1395-97 R1398	NRSAO2J-OROX NRSAO2J-101X	MG R MG R	0.0Ω 1/10W J 100Ω 1/10W J
R1401-02	MRSA02J-682X	MG R	6.8kΩ 1/10W J
R1403 R1404	MRSA02J-222X	NG R NF R	2.2kΩ 1/10W /
R1405	QRX01GJ-1R0 QRL029J-221	OH R	1.0Ω IN J
R1406	NRSA02J-222X	MG R ···	2200 2W J
R1407-08	QRX01GJ-1R5	MF R	2.2kΩ 1/10W J 1.5Ω 1W J
R1409-10	NRSA02J-103X	MG R	10kΩ 1/10W J
R1461	NRSA02J-272X	MG R	2.7kΩ 1/10W J
R1462	NRSAGZJ-563X	HG R	56kΩ 1/10W J
R1463	NRSA02J-104X	MG R	100kΩ 1/10W J
R1464	NRSA02J-123X	MG R	12kΩ 1/10W J
R1501	NRSA02J-332X	MG R	3.3kΩ 1/10W J
R1551	NRSA02J-100X	MG R	10Ω 1/10W J
R1552	NRSAOZJ-124X	MG R	120kΩ 1/10W j
R1553	NRSA02J-683X	MG R	68kΩ 1/10W J
R1554	NRSA02J-562X	MG R	5.6kΩ 1/10W J
R1555	NRSA02J-333X	MG R	33kΩ 1/10W J
R1556	NRSA02J-472X	MG R	4.7KΩ 1/10W J
R1557	HRSAO2J-562X	MG R	5.6kΩ 1/10W J
R1558	MRSA021-104X	MG R	100kΩ 1/10W J
R1559	MRSA02J-154X	MG R	150kΩ 1/10₩ J
R1560	NRSA02J-100X	MG R	10Ω 1/10W J
R1561 R1601	QRN143J-OROX NRSAO2J-103X	C R MG R	9.0Ω I/4W J 10kΩ 1/10W J
R1602 R1603	NRSA02J-104X	MG R	100kΩ 1/10W J
R1604	NRSAO2J-272X NRSAO2J-563X	MG R MG R	2.7kΩ 1/10M J
R1605	NR5A02J-122X	MG R	56kΩ 1/10W J
R1606-07	MRSA02J-122X	MG R	1.2kΩ 1/10W J 4.7kΩ 1/10W J
R1608	MRSA02J-272X	MG R	4.7kΩ 1/10W J 2.7kΩ 1/10W J
R1609	HRSA02J-563X	MG R	56kΩ 1/10W J
R1610	NRSA02J-152X	MG R	1.5kΩ 1/10W J
R1611	NRSA02J-OROX	MG R	0.0Ω 1/10W J
R1612	NRSA02J-561X	MG R	560Ω 1/10W J
R1613-14	NRSA02J-123X	MG R	12kΩ 1/10W J
R1615	MRSA02J-681X	MG R	680Ω 1/10W J
R1616	MRSA02J-102X	MG R	1kQ 1/10W J
R1617-18	MRSA02J-OROX	MG R	0.0Ω 1/10W J
R1651	NRSA02J-223X	MG R	22kΩ 1/10W J
R1652	NRSA02J-822X	MG R	8.2kΩ 1/10W J

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∆ Symbol No.	Part No.	Part Name	Description
RES	ISTOR		
R1653	NRSAO2J-223X	MG R	22kΩ 1/10W J
R1654	NRSAO2J-822X	MG R	8.2kΩ 1/10W J
R1655	NRSAO2J-104X	MG R	100kΩ 1/10W J
R1656-57	NRSAO2J-223X	MG R	22kΩ 1/10W J
R1659-60	QRN143J-2R2X	CR	2.2Ω 1/4W J
R1661	NRSAO2J-561X	MG R	- 560Ω 1/10W J
R1665	NRSAO2J-104X	MG R	100kΩ 1/10W J
R1666	NRSAOZJ-682X	MG R	6.8kΩ 1/10W J
R1668	NRSAO2J-OROX	MG R	0.0Ω 1/10W J
R1669	NRSAO2J-473X	MG R	47kΩ 1/10W J
R1670	NRSAOZJ-OROX	MG R	0.0Ω 1/10W J
R1671	NRSAOZJ-273X	MG R	27kΩ 1/10W J
R1682	MRSAOZJ-103X	NG R	10kΩ 1/10W J
R1683	NRSAOZJ-562X	NG R	
R1684	NRSAO2J-473X	MG R	47kΩ 1/10W J
R1685-86 R1687-88	NRSA02J-681X	MG R	680Ω 1/10W J
R1703-05	NRSA02J-103X	MG R	10kΩ 1/10W J
	NRSA02J-102X	MG R	1kΩ 1/10W J
R1708	NRSA02J-102X	MG R	1kΩ 1/10W J
R1709	NRSA02J-103X	MG R	10kΩ 1/10W J
R1710	NRSAOZJ-821X	NG R	820Ω 1/10W J
R1711	NRSAOZJ-102X	NG R	1kΩ 1/10W J
R1713-14	MRSAO2J-103X	MG R	10kΩ 1/10W J
R1716	MRSAO2J-103X	MG R	10kΩ 1/10W J
R1718	NRSA02J-102X	MG R	1kΩ 1/10W J
R1719	NRSAOZJ-101X	HG R	100Ω 1/10W J
R1720	NRSAOZJ-102X	HG R	1kΩ 1/10W J
R1721-23	MRSAOZJ-472X	HG R	4.7kΩ 1/10W J
R1724-26	MRSAOZJ-821X		820Ω 1/10W J
R1727	NRSA02J-153X	MG R	15kΩ 1/10W J
R1728	NRSA02J-103X	MG R	10kΩ 1/10W J
R1729	NRSA02J-683X	MG R	68kΩ 1/10W J
R1730	HRSA023-223X	-NG R	22kΩ 1/10W J
R1731	HRSA023-562X		5.6kΩ 1/10W J
R1732 R1733	MRSA02J-103X	MG R	10kΩ 1/10W J
R1734	MRSAOZJ-222X	MG R	2.2kΩ 1/10W J
	MRSAOZJ-103X	MG R	10kΩ 1/10W J
R1735-36	NRSAO2J-682X	MG R	6.8kΩ 1/10W J
R1738	NRSAO2J-183X	MG R	18kΩ 1/10W J
R1739	HRSA02J-331X	NG R	330Ω 1/10W J
R1740	NRSA02J-103X	MG R	10kΩ 1/10w J
R1742	NRSA02J-103X	MG R	10kΩ 1/10w J
R1743	NRSAOZJ-222X	HG R	2.2kΩ 1/10W J
R1744-46	NRSAOZJ-103X		10kΩ 1/10W J
R1747	HRSAO2J-102X	MG R	1kΩ 1/10W J
R1751-52	Hrsao2J-103X	MG R	10kΩ 1/10W - J
R1753	NRSAOZJ-47ZX	MG R	4.7kΩ 1/10W J
R1754	NRSAOZJ-103X	MG R	10kΩ 1/10W J
R1755	NRSA02J-472X	MG R	4.7kΩ 1/10M J
R1756-57	MRSA02J-103X	MG R	10kΩ 1/10W J
R1758-59	MRSA02J-221X	MG R	220Ω 1/10W J
R1760	MRSAO2J-102X	MG R	1kΩ 1/10W J
R1761-65	MRSAO2J-221X	MG R	
R1766 R1767	MRSA02J-103X MRSA02J-104X	MG R	10kΩ 1/10W J
R1768	NRSA02J-823X	MG R MG R	100kΩ 1/10W J 82kΩ 1/10W J
R1770	NRSAOZJ-103X	MG R	10kΩ 1/10W J
R1771	NRSAOZJ-392X	MG R	3.9kΩ 1/10W J
R1772-74 R1775-76	NRSA02J-103X NRSA02J-563X	MG R	10kΩ 1/10W J
R1777	NRSA02J-223X	MG R	56kΩ 1/10W J 22kΩ 1/10W J
R1778	MRSAO2J-103X	NG R	10kΩ 1/10W J
R1779	MRSAO2J-333X	NG R	33kΩ 1/10W J
R1780	NRSA02J-104X	MG R	100kΩ 1/10W J
R1791	HRSAO2J-103X	MG R	10kΩ 1/10W J
R1792	HRSAO2J-101X	MG R	100Ω 1/10W J
R1793	NRSA02J-102X	NG R	1kΩ 1/10W J
R1794	NRSA02J-152X	NG R	1.5kΩ 1/10W J
R1797	NRSA02J-102X	MG R	1kΩ 1/10W J
	NRSA02J-332X	MG R	3.3kΩ 1/10W J
21876			
R1820 R1880-82 R1883	NRSA02J-102X NRSA02J-473X	MG R	1kΩ 1/10W J 47kΩ 1/10W J

Δ		Part No.	Part Name	Description
	R1884-86 R1888-89 R1890 R1891 R1892-96 R1897	MRSA02J-103X MRSA02J-103X MRSA02J-221X MRSA02J-273X MRSA02J-221X QRG029J-220	HG R HG R HG R HG R OM R	10kΩ 1/10W J 10kΩ 1/10W J 220Ω 1/10W J 27kΩ 1/10W J 220Ω 1/10W J 220Ω 1/10W J 22 Ω 2W J
	R1901 R1902 R1903 R1904	MRSA02J-101X MRSA02J-223X MRSA02J-472X MRSA02J-223X	MG R MG R MG R MG R	100Ω 1/10W J 22kΩ 1/10W J 4.7kΩ 1/10W J 22kΩ 1/10W J
_	R1905	NRSA02J-102X	NG R	22kΩ 1/10W J 1kΩ 1/10W J
	CAPA C1001 C1002 C1003 C1004 C1005 C1006 C1007 C1008	MCB21HK-104X QETW1HH-107Z MCB21HK-104X QETW1CH-107Z MCB21HK-104X QETW1CH-227Z MCB21HK-227Z MCB21HK-222X QETW1HH-106Z	CHIP CAP. E CAP. CHIP CAP. E CAP. CHIP CAP. E CAP. C CAP. E CAP. E CAP.	0.1µF 50V K 100µF 50V M 0.1µF 50V K 100µF 16V M 0.1µF 50V K 220µF 16V M 2200pF 50V K 10µF 50V M
	C1101-02 C1103 C1104 C1105 C1106 C1107 C1108 C1109	QETW1CM-107Z MDC21HJ-181X QETW1EH-476Z QEWC1HH-474Z QETW1HH-106Z QETW1AH-227Z NDC21HJ-120X NDC21HJ-470X	E CAP. C CAP. E CAP. BP E CAP. E CAP. E CAP. C CAP. C CAP.	100µF 16V M 180pF 50V J 47µF 25V M 0.47µF 50V M 10µF 50V M 220µF 10V M 12pF 50V J 47pF 50V J
	C1110 C1121-22 C1123 C1124-25 C1128 C1129 C1130 C1131	NDC21HJ-220X NCB21HK-103X QETN1EM-476Z NCB21HK-103X QETN1EM-107Z QETN1EM-476Z NCB21HK-103X QETN1EM-476Z	C CAP. C CAP. E CAP. C CAP. E CAP. E CAP. C CAP. E CAP. E CAP. E CAP. E CAP.	22pF 50V J 0.01µF 50V K 47µF 25V M 0.01µF 50V K 100µF 16V M 47µF 25V M 0.01µF 50V K 47µF 25V M
	C1132 C1134 C1135 C1136-39 C1140 C1141 C1151 C1152	HCB21HK-103X HCB21HK-103X HCB21HJ-181X HCB21HK-103X QETN1EM-476Z HCB21HK-103X QETN1AM-227Z NCB21HK-103X	C CAP. C CAP. C CAP. C CAP. C CAP. E CAP. E CAP. E CAP. C CAP. C CAP.	0.01µF 50V K 0.01µF 50V K 180pF 50V J 0.01µF 50V K 47µF 25V M 0.01µF 50V K 220µF 10V M 0.01µF 50V K
	C1153 C1155 C1156 C1157 C1161 C1163 C1171 C1172	QETNIAM-107Z QETNIEM-476Z MDC21HJ-270X MDC21HJ-220X QETNIEM-476Z QETNIEM-476Z MDC21HJ-221X MDC21HJ-560X	E CAP. E CAP. C CAP. C CAP. E CAP. E CAP. E CAP. C CAP. C CAP.	100µF 10V M 47µF 25V M 27pF 50V J 22pF 50V J 47µF 25V M 220pF 50V J 56pF 50V J
	C1173 C1174 C1192 C1193 C1201 C1202 C1203-04 C1205-06	NDC21HJ-221X NDC21HJ-121X QETN1CH-2277 NCB21HK-103X QETN1CH-2277 NCB21HK-102X QETN1HM-105Z QETN1HM-106Z	C CAP. C CAP. E CAP. C CAP. C CAP. C CAP. E CAP. E CAP. E CAP. E CAP. E CAP.	220pF 50V J 120pF 50V J 220pF 16V M 0.01pF 50V K 220pF 16V M 1000pF 50V K 1pF 50V M
	C1207 C1211 C1212-13 C1214-15 C1216-17 C1218-19 C1220 C1221-22	QETN1CM-2277 NCB21HK-102X QETN1HM-105Z QETN1HM-106Z QETN1HM-105Z QETN1EM-476Z QETN1HM-105Z QETN1CM-107Z	E CAP. C CAP. E CAP.	220µF 16V M 1000pF 50V K 1µF 50V M 10µF 50V M 47µF 25V M 1µF 50V M 1µF 50V M 100µF 16V M
	C1223-24 C1231-33 C1234	QETN1HM-105Z QETN1EM-476Z NCB21HK-102X	E CAP. E CAP. C CAP.	1µF 50V M 47µF 25V M 1000pF 50V K

Δ		Part No.	Part Name	Description
	CAPA	CITOR		
	C1301 C1302 C1303 C1304 C1305 C1306 C1307-08 C1309	QETN1CM-227Z NCB21HK-104X QETN1EM-476Z QENC1CM-476Z QETW1HK-226Z NCB21HK-223X QENC1HJ-195Z NDC21HJ-390X	E CAP. CHIP CAP. E CAP. BP E CAP. C CAP. C CAP. BP E CAP. C CAP. C CAP. C CAP.	220µF 16V M 0.1µF 50V K 47µF 25V M 47µF 16V M 22µF 50V M 0.022µF 50V K 14F 50V M 39pF 50V J
	C1311-13 C1314 C1315 C1316 C1317 C1318 C1319 C1320	HCB21HK-104X MCB21HK-222X NCB21CK-474X HCB21HK-104X MCB21HK-104X MCB21HK-104X HCB21HK-332X MCB21HK-34X	CHIP CAP. C CAP. C CAP. CHIP CAP. C CAP.	0.1µF 50V K 2200pF 50V K 0.47µF 16V K 0.1µF 50V K 0.1pF 50V K 3300pF 50V K 0.1µF 50V K
	C1321-22 C1323 C1325-26 C1327 C1328-32 C1333 C1342-44 C1345	NDC21HJ-150X NCB21HK-104X NCB21HK-104X QETW1CM-2272 NCB21HK-104X MCF21C2-105X NDC21HJ-220X NDC21HJ-221X	C CAP. CHIP CAP. CHIP CAP. E CAP. CHIP CAP. C CAP. C CAP. C CAP. C CAP. C CAP.	15pf 50V J 0.1µF 50V K 0.1µF 50V K 220µF 16V M 0.1µF 50V K 1µF 16V 7 22pF 50V J 120pF 50V J
	C1362 C1363-65 C1366 C1387-88 C1389-90 C1392 C1396-98 C1403	NDC21HJ-33DX QETM1HH-106Z NDC21HJ-180X QETM1EH-476Z QETM0JH-228Z MDC21HJ-680X NCB21HK-104X QFLC2AJ-104Z	C CAP. E CAP. C CAP. E CAP. E CAP. C CAP. C CAP. C CAP. M CAP.	33pF 50V J 10µF 50V M 18pF 50V J 47µF 25V M 2200µF 6.3V M 68pF 50V J 0.1µF 50V K 0.1µF 100V J
	C1404 C1405 C1406 C1408 C1409-10 C1412 C1417-18 C1419	NCB21HK-104X NDC21HJ-820X QETM1VM-108 QETM1VM-337Z QFV71HJ-474Z QFLC2AJ-104Z QETM1CM-108Z NCB21HK-682X	CHIP CAP. C CAP. E CAP. E CAP. NF CAP. NF CAP. E CAP. C CAP.	0.1µF 50V K 82pF 50V J 1000µF 35V M 330µF 35V M 0.47µF 50V J 0.1µF 100V J 1000µF 16V M 6800pF 50V K
	C1461 C1551-52 C1553 C1554-55 C1601-02 C1603-04 C1605-06 C1607-08	QETNIHM-2262 MCB21CK-224X QETNIEM-4762 MCB21CK-224X QDC31HJ-2R0Z MCB21HK-103X QETNIHM-1062 NCF21EZ-104X	E CAP. C CAP. E CAP. C CAP. C CAP. C CAP. C CAP. C CAP. C CAP.	22µF 50V M 0.22µF 16V K 47µF 25V M 0.22µF 16V K 2.0pF 50V K 10µF 50V M 0.1µF 25V Z
	C1613-14 C1615 C1616-18 C1619 C1620 C1621-24 C1625-26 C1627-28	NOC21HJ-471X NCF21EZ-104X QETM1HM-106Z NCF21EZ-104X QETM1HM-106Z NCB21HK-102X NDC21HJ-391X NCB21HK-102X	C CAP. C CAP. E CAP. E CAP. E CAP. C CAP. C CAP. C CAP. C CAP.	470pF 50V J 0.1µF 25V Z 10µF 50V M 0.1µF 25V Z 10µF 50V K 390pF 50V K 1000pF 50V K
	C1629 C1630 C1631 C1632 C1633-34 C1635 C1636 C1637-38	NCB21HK-103X NCF21EZ-104X QETN1CM-107Z NCF21EZ-104X QETN1CM-105Z NCB21HK-562X QETN1CM-107Z NDC21HJ-221X	C CAP. C CAP. E CAP. E CAP. E CAP. C CAP. E CAP. C CAP. C CAP.	0.01µF 50V K 0.1µF 25V Z 100µF 16V M 0.1µF 25V Z 1µF 50V M 5600pF 50V K 100µF 16V M 220pF 50V J
	C1639-40 C1641 C1642 C1643 C1644-45 C1646 C1647 C1648	QETN1HM-106Z QETN1EM-476Z NCB21HK-56ZX QETN1HH-105Z NDC21HJ-470X NDC21HJ-220X NCB21HK-47ZX NDC21HJ-180X	E CAP. E CAP. C CAP.	10µF 50V M 47µF 25V M 5600pF 50V K 1µF 50V M 47pF 50V J 82pF 50V J 4700pF 50V K 18pF 50V J
	C1652-53 C1654	QETN1HM-105Z QETN1HM-107Z	E CAP.	1μF 50V M 100μF 50V M

Δ	Symbol No.	Part No.	Part Name	Description
_	CAPA	CITOR		
	C1655 C1656-57 C1658 C1661-62 C1663-64 C1667 C1676-77 C1679 C1682 C1701 C1702	QETN1HM-1062 MCF21HZ-224X QETN1HM-228 MCF21H2-224X QETN1VM-108 QETN1CM-227Z MCB21HK-103X QETN1HM-474Z QETN1CM-227Z MCC21HJ-471X MCC21HJ-471X MCC21HK-682X	E CAP. C CAP. E CAP. E CAP. E CAP. E CAP. E CAP. E CAP. C CAP. C CAP. C CAP. C CAP.	10µF 50V H 0.2µF 50V Z 2200µF 50V M 0.2µF 50V Z 100µF 35V H 220µF 16V H 0.1µF 50V K 0.47µF 50V H 220µF 16V H 470µF 50V J 6800µF 50V K
	C1703 C1704 C1705-06 C1707 C1708 C1709 C1710 C1711	NCB21HK-104X QETH1AM-2277 HDC21HJ-9ROX HCB21HK-104X MCB21HK-333X HCB21HK-104X QETH1EM-4762 HCB21HK-104X	CRIP CAP. E CAP. C CAP.	0.1µF 50V K 220µF 10V R 9.0pF 50V J 0.1µF 50V K 0.033µF 50V K 0.1µF 50V K 47µF 25V M 0.1µF 50V K
	C1714 C1715 C1717 C1718 C1719 C1720 C1757 C1758	QETN1HH-474Z QETN1EH-476Z QETN1HH-106Z NDC21HJ-471X NCF21CZ-105X HCB21HK-102X NCS21HJ-471X QETN1AH-227Z	E CAP. E CAP. E CAP. C CAP. C CAP. C CAP. C CAP. C CAP.	0.47µF 50V M 47µF 25V M 10µF 50V M 470pF 50V J 1µF 16V Z 1000pF 50V K 470pF 50V J 220µF 10V M
	C1759 C1760-61 C1762 C1763 C1764 C1766-68 C1774 C1776-77	NCB21HX-104X NDC21HJ-150X NCB21HK-104X QETN1EM-476Z NCB21HK-104X NCB21HK-104X NDC21HJ-151X NCB21HK-104X	CHIP CAP. C CAP. CHIP CAP. E CAP. CHIP CAP. CHIP CAP. C CAP. C CAP. C CAP.	0.1µF 50V K 15pF 50V J 0.1µF 50V K 47µF 25V M 0.1µF 50V K 0.1µF 50V K 150pF 50V J 0.1µF 50V K
	C1780 C1781 C1782 C1783 C1784 C1785 C1901 C1902	NCB21HK-104X NDC21HJ-101X HCB21HK-102X NDC21HJ-151X QETM1CH-227Z NCB21HK-102X QETW1CH-107Z QETW1CH-106Z	CHIP CAP. C CAP. C CAP. E CAP. C CAP. E CAP. E CAP. E CAP. E CAP.	0.1µF 50V K 100pF 50V J 100pF 50V K 150pF 50V J 220µF 16V M 100pF 50V K 100µF 16V H
-	TRAI	NSFORM	ER	
	T1101 T1111 T1121	CE42697-001 CE42697-001 CE42697-001	LOWPASS FILTER LOWPASS FILTER LOWPASS FILTER	
-	COI	L		
	11001-02 11003 11004 11101 11102-05 11106 11111 11121	QQL01BK-8R2Z QQL01BK-221Z QQL01BK-5R6Z QRN143J-0R0X QQL03BJ-220Z QQL03BJ-270Z QQL03BJ-220Z QQL03BJ-330Z	PEAKING COIL PEAKING COIL PEAKING COIL C R PEAKING COIL PEAKING COIL PEAKING COIL PEAKING COIL	8.2μH 220μH 5.6μH 0.0Ω 1/4W 12μH 27μH 33μH
	L1301 L1302 L1601-02 L1603 L1604 L1605 L1606-07 L1701	QQL01BK-390Z NQL0243-586X QRN143J-0R0X QQL01BK-100Z QQL01BJ-180Z QQL01BJ-220Z QQL01BK-5R6Z QQL01BK-331Z	PEAKING COIL COIL C R PEAKING COIL PEAKING COIL PEAKING COIL PEAKING COIL PEAKING COIL	39µН 5.6µН 5.6µН 1/4М Ј 10µН 18µН 22µН 5.6µН 330µН
				3.4.0

QQL01BK-3R9Z QRN143J-0R0X QQL01BK-4R7Z

L1702 L1752 L1753 PEAKING COIL C R PEAKING COIL

	Δ	Symbol	No.	Part	No.	Pa	rt Name	Descript	ion	
	_	DΙ	OD	E						
		D1201- D1214- D1402 D1403- D1461 D1462 D1502 D1504	15	MA33 MA11	20/H/-X 1-X	SI ZE SI ZE SI	MER DIODE MER DIODE .DIODE MER DIODE .DIODE .MER DIODE .DIODE .DIODE			
		D1601 D1653- D1657 D1658 D1660 D1661 D1664 D1669	54	MA33 MA11 MA15 MA11 MA15 MA11	3A-X 1-X 3A-X	SI SI SI SI	NER DIODE NER DIODE DIODE DIODE DIODE DIODE LOIODE LOIODE LOIODE			
		D1670 D1701- D1704 D1708 D1709 D1712 D1753 D1754	-02	MA13 MA30 MA11 MA11	1-X 44-T2 1-X 68/H/-X 1-X	S1 S1 S1 S1 S1	I.DIODE I.DIODE I.DIODE I.DIODE ENER DIODE I.DIODE I.DIODE ENER DIODE			AS2WFX1EUG/EUS
		D1771 D1901	-76	MA30 MA31	056/M/-X 130/H/-X		ENER DIODE ENER DIODE			SZWF
١	-	TF	RAN	ıs	ISTOR	₹		 		- ≹
		01101 01111 01112 01113 01121 01122 01123 01131	-14 -24	25C 25A 25C 25C 25C 25A 25C	2412K/QR/-X 2412K/QR/-X 1037AK/QR/-X 2412K/QR/-X 2412K/QR/-X 1037AK/QR/-X 2412K/QR/-X 2412K/QR/-X	5555	I.TRANSISTOR I.TRANSISTOR I.TRANSISTOR I.TRANSISTOR I.TRANSISTOR I.TRANSISTOR I.TRANSISTOR I.TRANSISTOR I.TRANSISTOR			
		Q1201 Q1203 Q1204 Q1206 Q1208 Q1209 Q1211 Q1213	-05 -07	2SC DTC 2SA 2SA 2SA	2712/YG/-X 1815/YG/-T 2712/YG/-X 323TK-X 1162/YG/-X 1015/YG/-T 1162/YG/-X 2712/YG/-X	5 5 5 5 5	I.TRANSISTOR I.TRANSISTOR I.TRANSISTOR I.TRANSISTOR I.TRANSISTOR I.TRANSISTOR I.TRANSISTOR I.TRANSISTOR I.TRANSISTOR			
		Q1215 Q1217 Q1226 Q1301 Q1301 Q134 Q134 Q135)-21 3-04	25A 25C 25A 25C DTC 25C	323TK-X .1162/YG/-X .2712/YG/-X .1162/YG/-X .2712/YG/-X .124EKA-X .2712/YG/-X .124EKA-X	3	DIGI. TRANSISTOR DI. TRANSISTOR DI. TRANSISTOR DI. TRANSISTOR DI. TRANSISTOR DI. TRANSISTOR DIGI. TRANSISTOR DIGI. TRANSISTOR DIGI. TRANSISTOR			
		Q138 Q146 Q160 Q160 Q160 Q165 Q165 Q165	1-62 1 2 3 3 1 2-53	250 DT0 257 250 257 DT0	2712/YG/-X 2712/YG/-X 323TK-X 41162/YG/-X 2712/YG/-X 41162/YG/-X 323TK-X 2712/YG/-X		SI.TRANSISTOR SI.TRANSISTOR DIGI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR DIGI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR			
		Q165 Q170 Q170 Q175 Q190 Q190	1-08 9 2 1	251 251 251 251	A1162/YG/-X C2712/YG/-X A1162/YG/-X A1162/YG/-X A1162/YG/-X C2712/YG/-X	-	SI_TRANSISTOR SI_TRANSISTOR SI_TRANSISTOR SI_TRANSISTOR SI_TRANSISTOR SI_TRANSISTOR			
		I			-			 		-
		IC11 IC13 IC13 IC13 IC13 IC14	01 03 04 05	CX TD TD LA	9090AN A1545AS A9143/N3 A4665/V5 7016 7841		I.C.(DIGI-MOS) I.C.(MONO-ANA) I.C.(MONO-ANA) I.C.(MONO-ANA) I.C.(MONO-ANA) I.C.(MONO-ANA)			
	l							 		

3.9μH 0.0Ω 1/4W J 4.7μH

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ymbol No.	Part No.	Part Name	Description
IC			
C1551	LA6515	I.C.(MONO-ANA)	
C1601	MSP34100-22-CS	I.C.(DIGI-OTHER)	
C1602	BA4558F-X	I.C(MONO-ANA)	
C1651	TA8246AH	I.C.(HYBRID)	
C1701 C1702	M37280MK-1055P L78LR05E-MA	I C	
C1702 C1703	AT24C16-32WFX1	i.č.	(SERVICE)
C1754	SDAS275S	I.C. (MICRO-PROC)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
C1755	MSMS144000-60ZS	I.C.(D-RAM)	
этне	ERS		
N1002	OGF1216C1-25	FFC CONNECTOR	
N1008	QGB2004P2-35	HQF PLUG	
1651	QNN0296-001	PIN JACK	
1001	QRN143J-DROX	C R	0.0Ω 1/4W J
1009	QRN143J-0R0X	C R	0.0Ω 1/4W J
1101 1401	QQR0621-002Z QQR0621-002Z	BEADS CORE BEADS CORE	
1701	QQR0621-002Z	BEADS CORE	
C1101	CE42142-222Z	EMI FILTER	
C1601	CE42142-103Z	EMI FILTER	
U1001	CEEK481-A04	TUNER	10.0Ω 1/10W J
(1001-02 (1311	NRSA02J-OROX CE40749-0012	MG R CRYSTAL	U.ULZ 1/1UW J
1312	CE40668-001Z	CRYSTAL	
1601	CE42546-001Z	CRYSTAL	
1701	CST8.00MTW	CER. RESONATOR	
(1752	QAX0351-001Z	ERYSTAL	
1301-06	NRSAG2J-DROX	MG R	0.0Ω 1/10₩ J
1312-13	NRSA02J-OROX	MG R	0.0Ω 1/10W J
1315	NRSA02J-OROX	MG R	0.0Ω 1/10W J
1328	NRSA02J-0R0X	NG R NG R	0.0Ω 1/10W J 0.0Ω 1/10W J
1401 1502-05	MRSAOZJ-OROX MRSAOZJ-OROX	MGR	0.0Ω 1/10W J 0.0Ω 1/10W J
/1653	HRSAOZJ-OROX	MG R	0.0Ω 1/10W J
1657-58	NRSA02J-OROX	MG R	0.0Ω 1/10W J
/1661-62	NRSAOZJ-OROX NRSAOZJ-OROX	MG R MG R	0.0Ω 1/10W J 0.0Ω 1/10W J
/1701-03			

POWER & DEF PW BOARD ASS'Y (SMD-2006A-U2)

Symbol No	Part No.	Part Name	Description
RES	ISTOR		
R2451	QRE141J-272Y	C R	2.7kΩ 1/4W J
R2455	QRE141J-102Y	C R	1kΩ 1/4W j
R2456	QRE141J-473Y	C R	47kΩ 1/4W J
R2457	ORE141J-103Y	C R	10kΩ 1/4₩ J
R2458	ORA14CF-1002Y	MF R	10kΩ 1/4₩ F
R2459	ORE1413-391Y	C R	390Ω 1/4W J
R2461	QRE141J-102Y	ĊŔ	1kΩ 1/4W J
R2463	QRG0291-820	OH R	82 Ω 2W J
R2464	ORXO1GJ-2R2	MF R	2.2Ω 1W J
R2465	ORE141J-103Y	CR	10kΩ 1/4W J
R2468	ORE141J-393Y	CR	39kΩ 1/4W J
R2470	QRA14CF-1132Y	MF R	11.3kΩ 1/4W F
R2501	ORE141J-471Y	C R	470Ω 1/4W J
R2502	ORE141J-123Y	ČŘ	12kΩ 1/4W J
R2503	ORE121J-152Y	ČŘ	1.5kΩ 1/2W J
R2504	ORG039J-272	OM R	2.7kΩ 3W J
12704	Augussi, rit	OH K	2.1832 38 3

44

∆ Symbol No.	Part No.	Part Name	Description
RES:	ISTOR		
R2505 R2506 R2507 R2509 R2510 R2511 R2522	QRG039J-332 QRE121J-5R6Y QRC121K-152Z QRE141J-563Y QRE141J-333Y QRE141J-02Y QRE121J-471Y QR29017-4R7	OM R C R COMP.R C R C R C R C R	3.3kQ 3W J 5.6Q 1/2W J 1.3kQ 1/2W K 56kQ 1/4W J 33kQ 1/4W J 4RQ 1/4W J 47QQ 1/2W J 4.7Q 1/4W J
\$ R2552 \$ R2553 R2554 R2555 R2557 R2561 R2574 R2575	QRZ9021-1R0 QRZ9021-1R0 QRE141J-332Y QRE141J-822Y QRE121J-272Y QRZ0256-103Z QRG029J-220 QRE121J-123Y	FUSI.RESISTOR FUSI.RESISTOR C.R C.R C.R C.R C.R C.M C.M C.M R C.R C.R C.R C.R C.R C.R C.R C.R C.R C	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
R2581 R2582 R2583 R2584 R2585 R2586 R2587 R2588	QRF154K-4R7 QRE141J-681Y QRE121J-682Y QRE141J-183Y QRE141J-222Y QRA14CF-7501Y QRA14CF-2201Y QRE141J-103Y	UNFR CR CR CR CR MFR MFR CR	4.70 15W K 6800 1/4W J 6.8kΩ 1/2W J 18kΩ 1/4W J 2.2kΩ 1/4W J 7.5kΩ 1/4W F 2.2kΩ 1/4W F 10kΩ 1/4W J
R2901 R2902 R2903-04 R2905 R2906 & R2907 R2908 R2909	QRF104K-3R9 QRE121J-331Y QRE121J-474Y QRL039J-823 QRG039J-683 QRZ9017-4R7 QRE121J-152Y QRT029J-R39	UNFR CR CR OMR FR CR MFR	3.9Ω 10W K 330Ω 1/2W J 470kΩ 1/2H J 82kΩ 3W J 68kΩ 3W J 4.7Ω 1/4W J 1.5kΩ 1/2W J 0.39Ω 2W J
R2910 R2911 R2912 R2913 R2923 R2951 R2952 R2952	QRMOS9J-R22 QRE121J-681Y QRE121J-332Y QRL039J-823 QRE121J-102Y QRF074J-102 QRG029J-103 QRG029J-183	RPRCRCRCRCRCRCRCRCRCRCRCRCRCRCRCRCRCRCR	0.22\Omega SW J 680\Omega 1/2\mathbb{Z} J 3.3\k\Omega 1/2\mathbb{Z} J 82\k\Omega 3\mathbb{W} J 1\k\Omega 1/2\mathbb{W} J 1\k\Omega 7\mathbb{W} J 18\k\Omega 2\mathbb{W} J 18\k\Omega 2\mathbb{W} J
R2954 R2955 R2956 R2957 R2960 R2961 R2962 R2963	QRE141J-330Y QRE141J-681Y QRX029J-R47 QRG029J-100 QRE141J-153Y QRE141J-182Y QRE141J-682Y	CR CR MFR OHR CR CR CR CR	33Ω 1/4W J 680Ω 1/4W J 0.47 Ω 2W J 10 Ω 2W J 15kΩ 1/4W J 1.8kΩ 1/4W J 15kΩ 1/4W J 6.8kΩ 1/4W J
R2968 R2969 R2970 R2971 R2983 R2984 R2985-86 R2987	QRE141J-103Y QRE141J-682Y QRE141J-822Y QRE141J-682Y QRE141J-122Y QRE141J-104Y QRE141J-103Y QRE121J-680Y	C R C C R C C R C C R C C R	10kΩ 1/4W J 6.8kΩ 1/4M J 8.2kΩ 1/4M J 6.8kΩ 1/4M J 1.2kΩ 1/4M J 100kΩ 1/4M J 10kΩ 1/4M J 68Ω 1/2M J
▲ R2991	QRZ0057-825	C R	8.2MΩ 1W j
CAP	ACITOR		
C2451 C2452 C2453 C2454 C2455 C2456 C2457 C2458	QCS31HJ-470Z QFY71HJ-104Z QETN1EM-476Z QETN1HM-106Z QFLC1HJ-102Z QFN72DJ-122Z QFN72DJ-152Z QEZ047Z-106Z	C CAP. RF CAP. E CAP. E CAP. R CAP. R CAP. R CAP. R CAP. R CAP. R CAP.	47pF 50V J 0.1µF 50V J 47µF 25V M 10µF 50V M 1000pF 50V J 1200pF 200V J 1500pF 200V J 10µF 250V M
C2459 C2460 C2461	QCZ0120-104Z QFP31MJ-272Z QFUC1MJ-182Z	C CAP. PP CAP. M CAP.	0.1µF 25V Z 2700pF 50V J 1800pF 50V J

Δ	<u> </u>	Part No.	Part Name	Description
	CAP	ACITOR		
	C2501 C2502	QCB32HK-331Z	C CAP.	330pF 500V K
	C2502	QFH72DK-103 QFV71HJ-224Z	N CAP. NE CAP.	0.01μF 200V K 0.22μF 50V J
Ā	C2521	QFZ0122-112	MPP CAP.	1100pF1.8kVH ±3%
Δ	C2522 C2523	QFZ0200-113 QFM72DK-393	MPP CAP. M CAP.	0.011µF1.5kVH ±3%
Δ	C2524	QFP32GJ-273	PP CAP.	0.039µF 200V K 0.027µF 400V J
	C2525	QFZ0194-914	MPP CAP.	0.91µF 250V J
	C2526 C2527	QFZ0199-114 QFZ0194-154	MPP CAP. MPP CAP.	0.11µF 250V J
	C2528	QFZ0199-114 QCB32HK-561Z	MPP CAP.	0.15µF 250V J 0.11µF 250V J
	C2529 C2530	QCB32HK-561Z QFZ0194-154	C CAP. MPP CAP.	560pF 500V K
	C2532 C2551	OETH2CH-227	E CAP. C CAP.	0.15µF 250V J 220µF 160V M
	C2551 C2552	QCB32HK-152Z QETN1CM-108Z	Ĉ ĈAP. E CAP.	1500pF 500V K 1000µF 16V M
	C2553	QCB32HK-152Z	C CAP.	1500pF 500V K
	C2554	OFTN1CH-1087	E CAP. BP E CAP.	1000μF 16V M
	C2555 C2556	QENCIHM-225Z QCB32HK-102Z	C CAP.	2.2μF SOV M 1000pF 500V K
	C2557 C2565	QETNZEN-106Z QFLCZAJ-273Z	E CAP. M CAP.	10µF 250V H
	C2581	QETH1CM-107Z	M CAP. E CAP.	0.027µF 100V J 100µF 16V M
	C2582	QETW1EM-476Z	E CAP.	47μF 25V M
	C2583 C2584	QETN2AN-106Z Qetn1an-227Z	E CAP. E CAP.	10μF 100V M 220μF 10V M
	C2585	OFZ0194-534	MPP CAP.	0.53µF 250V J
Δ	C2901 C2907	QFZ9040-473 QCZ9054-477	MF CAP.	0.047µFAC275V #
Δ Δ Λ	C2902 C2903 C2904	0CZ9054-472 0CZ9054-472 0CZ9054-472	C CAP. C CAP. C CAP.	4700pFAC250V Z
41	C2905	QCZ9054-4/2 QEZ0199-227	E CAP. E CAP.	4700pFAC250V Z 220μF 400V M
	C2906	QCB32HK-103	C CAP. C CAP.	0.01µF 500V K
	C2907 C2908	QCZ0122-391 OFTW1HM-4767	F CAP	390pF 2kV K 47uF 50V M
	C2909	QCB31HK-182Z	C CAP. C CAP.	1800oF SOV K
	C2910 C2912	OCB31HK-182Z OCZO122-561 OCB31HK-561Z	L LAP.	560pF 2kV K 560pF 50V K
	C2921 C2922-23	QETN1EM-227Z QETN1HM-106Z	E CAP. E CAP.	220µF 25V N 10µF 50V N
	C2951	QEZ0203-227	E CAP.	220µF 160V M
	C2952	QEHQ1CM-228	E CAP.	2200µF 16V ₩
	C2953-54 C2955	QEHQ1CM-228 QEHR1CM-477Z	E CAP. E CAP.	2200µF 16V M 470µF 16V M
	C2956	QEHQ1VM-228	E CAP.	2200uF 35V M
	C2959-60 C2966	QCB32HK-102Z QFLC1HJ-103Z	C CAP. M CAP.	1000pF 500V K 0.01µF 50V J
	C2967	QEHQ1CM-228	É CAP.	2200µF 16V M
	C2968 C2970	QCZ0120-104Z	C CAP.	0.1µF 25V Z
	C2970 C2972-73	QEHR1CH-227Z Qehr1AM-477Z	E CAP. E CAP.	220µF 16V M 470µF 10V M
	C2974-75	QEZ0256-128	E CAP.	1200µF 10V M
	C2976 C2977	QETN1AH-227Z QFV71HJ-684Z	E CAP. HF CAP.	220µF 10V M 0.68µF 50V J
Δ	C2978 C2991	QCZ0122-471 QCZ9079-332	C CAP.	0.68µF 50V J 470pF 2kV K 3300pFAC250V K
as A	C2992	QC29079-332 QC29079-471	C CAP.	3300pFAC250V K 470pFAC250V K
		4053013-417	C LAF.	4/UPFACEDUV K
	TRAN	NSFORM	ER	
	T2501	QQR1111-001	DRIVE TRANSF.	
Δ	T2521 T2551	QQR0706-001 QQH0054-002-12	PINC.TRANSF. HVT	(SERVICE)
	T2561 T2901	00R1096-001 CET\$129-001J4	DEF TRANSF. SW TRANSF.	(2007-00)
Δ	T2921	QQT0147-001	SW TRANSF. POWER TRANSF.	
	COII			
		=	CHOKE COTI	
	L2451 L2452	QQL43AJ-332 QQLZ020-801	CHOKE COIL CHOKE COIL	
	12521	QQLZ025-180		

Δ	Symbol No.	Part No.	Part Name	Description
	COI	L		
Δ	L2522 L2551 L2561 L2901-02 L2903 L2951 L2952-54 L2955	QQR0961-001 QQLZ026-540 QQL43AJ-222 QQL401K-100Z QQR0646-003 QQL26AK-220Z QQR0518-001	LIN COIL HEATER CHOKE CHOKE COIL CHOKE COIL HEATER CHOKE CHOKE COIL CHOKE COIL	2200µH
	L2956 L2957	QQLZ026-460 QQL26AK-220Z	HEATER CHOKE CHOKE COIL	
-	DIO	DE		
	D2451 D2454 D2501 D2502 D2503 D2503 D2521 D2522 D2551-52	155133-T2 BYD33D-T3 15581-T5 155133-T2 MTZ115B-T2 V11CA-C1 FMV-3FU-F1 BYW95B-20	\$1.0100E \$1.0100E \$1.0100E \$1.0100E \$1.0100E \$1.0100E \$1.0100E \$1.0100E	
Δ	D2553 D2554 D2555-56 D2581 D2582 D2583 D2584 D2901	BYD33G-T3 MTZJ4.7A-T2 BYD33G-T3 MTZJ15B-T2 MTZJ7.5B-T2 MTZJ7.5S-T2 BYD33G-T3 D35860	SI.DIODE ZENER DIODE SI.DIODE SI.DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE SI.DIODE BRIDGE DIODE	
Δ	02902 02903 02904 02905 02905 02907 02921-24 02925 02951	8YD33M-T3 8YD33D-T3 8YD33D-T3 1SS133-T2 MTZJ158-T2 1M4003-T2 MTZJ108-T2 RU48-F1	\$1. DIODE \$1. DIODE \$1. DIODE \$1. DIODE 2THER DIODE \$1. DIODE 2THER DIODE \$1. DIODE	
	02953 02954 02955 02958 02959 02960 02961-62 02964-66	FMX-G12S 8YW958-20 SF6L20U BYD33M-T3 RK44-LFT4 MTZ/33B-T2 1SS133-T2 1SS133-T2	SI. DIODE SI. DIODE SI. DIODE SI. DIODE SI. DIODE ZEMER DIODE SI. DIODE SI. DIODE	
	D2981-82	155133-T2	30010.12	
		VSISTO	R	
Δ	02452 02453 02501 02502 02521 02581 02582 02583	2SK2459H-F54 2SC1815/YG/-T BSN304-T 2SC1815/YG/-T 2SC5552-RL 2SA949/Y/Z1-T DTC144ESA-T 2SC1815/YG/-T	F.E.T. SI.TRANSISTOR F.E.T. SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR DIGI.TRANSISTOR SI.TRANSISTOR	H.OUT
	02921 02981-82	2SC26S5/Y/-T 2SC1815/YG/-T	SI.TRANSISTOR SI.TRANSISTOR	
	IC			
	IC2901 IC2951 IC2952 IC2953 IC2954 IC2955 IC2956	STR-F5668B SE140N BA12T S1-8050S BA033T UPC2409AHF BA08T	I C I.C. (HYBRID) I.C. (HONG-AMA) I.C. (HYBRID) I.C. (HONG-AMA) I.C. (HONG-AMA) I.C.	
	ОТНЕ	RS		
Δ	CP2953 K2521	ICP-N75-Y CE41832-001	I.C.PROTECT LEAD CORE	

Δ	Symbol No.	Part Mo.	Part Name	Description
	ОТНЕ	RS		
Δ Δ Δ	K2523-25 K2901-02 K2951 K2952 K2953 PC2901 RY2981 TH2901	CE41832-001 CE42050-0012 QQR0679-001 QQR0621-002Z QQR0716-001Z TLP721F (04-GR) QSK0086-001 QA00120-9R0	LEAD CORE CORE FERRITE BEADS BEADS CORE LEAD CORE I.C. (PH.COUPLER) RELAY P THERMISTOR	

CRT SOCKET PW BOARD ASS'Y (SMD-3005A-U2)

▲ Symbol No.	Part No.	Part Name	Description
RESI	STOR		
R3101 R3102 R3103 R3104 R3105 ▲ R3106 R3107-08 ▲ R3109	QRE141J-272Y QRE141J-153Y QRE141J-152Y QRE141J-680Y QRE141J-221Y QR146J-100X QRE141J-470Y QR29021-561	C R C R C R C R C R C R C R T C R FUSI.RESISTOR	2.7kΩ 1/4W J 15kΩ 1/4W J 1.5kΩ 1/4W J 68Ω 1/4W J 220Ω 1/4W J 10Ω 1/4W J 47Ω 1/4W J 560 Ω 1W J
R3110 R3111 R3112 R3113-14 R3115 R3116 R3117 R3118	QRE141J-122Y QRE141J-390Y QRE141J-2R7Y QRE141J-563Y QRE141J-122Y QRE141J-127Y QRE141J-390Y QRE141J-121Y	CR CR CR CR CR CR CR	1.2kΩ 1/4N J 39Ω 1/4N J 2.7Ω 1/4N J 56kΩ 1/4N J 1.2kΩ 1/4N J 2.7Ω 1/4N J 39Ω 1/4N J 120Ω 1/4N J
R3119 R3130 R3204-06 R3207 R3208 R3211 R3223-25 R3227	QRE029J-391 QRE141J-101Y QRE141J-152Y QRE141J-562Y QRE141J-123Y QRE141J-334Y QRE141J-182Y QRE141J-272Y	OM R C R C R C R C R C R C R	390Ω ZW J 100Ω 1/4W J 1.5kΩ 1/4W J 5.6kΩ 1/4W J 12kΩ 1/4W J 330kΩ 1/4W J 1.8kΩ 1/4W J 2.7kΩ 1/4W J
R3228 R3229-31 R3232-34 R3235-37 R3239 R3241 R3301-02 R3303-04	QRE141J-822Y QRG016J-823 QRE141J-332Y QRC121K-152Z QRZ0107-474Z QRZ0107-105Z QRE121J-474Y QRE141J-223Y	C R OM R C R COMP. R C-R C R C R C R	8.2kQ 1/4k J 82kQ 1k J 3.3kQ 1/4k J 1.5kQ 1/2k K 470kQ 1/2k K 1MQ 1/2k K 470kQ 1/2k J 22kQ 1/4k J
R3305 R3306 R3307 R3308 R3309 R3310 R3311-12 R3313	QRE141J-562Y QRE141J-392Y QRE141J-101Y QRE141J-471Y QRE141J-170Y QRE141J-331Y QRE141J-472Y QRE141J-102Y	C R C R C R C R C R C R C R C R	5.6kΩ 1/4W J 3.9kΩ 1/4W J 100Ω 1/4W J 470Ω 1/4W J 12Ω 1/4W J 330Ω 1/4W J 4.7kΩ 1/4W J 1kΩ 1/4W J
CAPA	CITOR		
C3101 C3103 C3104 C3105 C3106 C3107	QETNIHM-106Z QETNIHM-335Z QETNICM-107Z QESSILMJ-101Z QESSILMJ-181Z QETNIZCM-106Z	E CAP. E CAP. E CAP. C CAP. C CAP. E CAP.	10µF 50V M 3.3µF 50V M 100µF 16V M 100µF 50V J 180pF 50V J 10µF 160V M

No.51700

Symbol No.	Part No.	Part Name	Description
CAP	ACITOR		
C3108-09 C3110 C3111-12 C3113 C3114 C3115 C3118 C3201-03	QCB32HK-472Z QETN2CH-106Z QETN1AM-107Z QETN1AM-337Z QCS32HJ-470Z QCS32HJ-5R0Z QENC1MH-106Z QCS31HJ-8R0Z	C CAP. E CAP. E CAP. E CAP. C CAP. C CAP. BP E CAP. C CAP.	4700pF 500V K 10µF 160V M 100µF 10V M 338µF 10V M 47pF 500V J 5.0pF 50V J 10µF 50V M 8.0pF 50V J
C3204-06 C3207-09 C3210-12 C3213-15 C3216 C3218 C3219 C3221	QCZ0120-104Z QETM1EM-476Z QFK62EK-104Z QCS31HJ-181Z QETM1CM-107Z QETM2EM-336 QFZ0097-223 QETW2EM-106Z	C CAP. E CAP. MH CAP. C CAP. E CAP. E CAP. H K CAP. E CAP.	0.1µF 25V Z 47µF 25V M 0.1µF 250V K 180pF 30V J 100µF 16V M 33µF 250V M 0.022µF 1250V K 10µF 250V M
C3301 C3302	QETN1CM-107Z QFLC1HJ-103Z	E CAP. M CAP.	100μF 16V M 0.01μF 50V J
COI	L		
L3201-03 L3301	QQL01BK-4R7Z QQL26AJ-102Z	PEAKING COIL PEAKING COIL	4.7µН 1000µН
DIO	DE		
03101-02 03151 03204-06 03208-10 03301-03	RH1S-T3 155133-T2 EU01N-T2 15R124-400A-T2 15S133-T2	\$1.D10DE \$1.D10DE \$1.D10DE \$1.D10DE \$1.D10DE	
TRAI	NSISTO	R	
Q3102-03 Q3104 Q3105 Q3106 Q3301 Q3302 Q3303 Q3304-05	2SC3311A/QR/-T 2SA1309A/QR/-T 2SA1837 2SC4793 2SA1015/YG/-T 2SC2655/Y/-T 2SA1015/YG/-T 2SC3311A/QR/-T	SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR	
IC			
103201-03	TDA6111Q	I.C.(MONO-ANA)	
отн	ERS		
K3101-04 K3105 SK3001	CE41492-001Z QQR0621-002Z CE42670-001	CHOKE COIL BEADS CORE C.R.T.SOCKET	

FRONT CONTROL PW BOARD ASS'Y

	005A-U2)			
Symbol No	. Part No.	Part Name	Des	cription
RES	SISTOR			
R8001-02	QRE121J-271Y	CR	270Ω	1/2N J
R8003	QRE141J-222Y	C R	2.2kΩ	1/4W J
R8004	QRE141J-472Y	CR	4.7kΩ	1/4W J
R8005	QRE141J-561Y	CR	560Ω	1/4W 3
R8008	QRE141J-682Y	CR	6.8kΩ	1/4W J
R8009	QRE141J-105Y	C R	1ΜΩ	1/4W J
R8010	QRE141J-183Y	CR	18kΩ	1/4N)
R8011	QRE141J-123Y	CR	12kΩ	1/4W J
R8012	QRE141J-273Y	C R	27kΩ	1/4N J
R8013	ORE141J-332Y	C R	3.3kΩ	1/4W J
R8014	QRE141J-123Y	CR	12kΩ	1/4W J
R8020	QRE141J-562Y	CR	5.6kΩ	1/4N J
R8021-22	ORE141J-102Y	C R	1kΩ	1/4W J
R8035	QRE141J-391Y	C R	390Ω	1/4W J
R8036-38	ORE141J-561Y	CR	560Ω	1/4¥ J
R8039	QRE141J-821Y	C R	820Ω	1/4W J
CAF	ACITOR	· · · · · · · · · · · · · · · · · · ·		
C8001-02	OCB31HK-103Z	C EAP.	0.01µF	50V K
C8003	OETNIHK-106Z	E CAP.	10 _u F	50V M
C0003	0070130 1002	C 640	1000	300 7

	CAPA	CITOR			
	C8001-02	QCB31HK-103Z	C EAP.	0.01µF 50V	/ K
	C8003	QETN1HM-106Z	E CAP.	10uF 50\	/ #
	C8004	QCZ0120-104Z	C CAP.	0.1µF 25\	1 2
	C8005	OETN1EM-476Z	E CAP.	47µF 25\	/ #
	C8010-11	QCB31HK-472Z	C CAP.	4700pF 50V	/ K
	C8019	QETN1CH-107Z	E CAP.	100µF 16\	. H
	C8021	OCZ0120-104Z	C CAP.	0.1µF 25\	i Z
	C8022	QETN1EM-476Z	É CAP.	47µF 25\	H
	C8023	QCZ0120-104Z	C CAP.	0.1µF 25\	
Δ	C8901	QFZ9040-474	M.F.CAPACITOR	0.47µFAC275\	/ M

COI	L		
L8001 L8002-03 L8010-11 L8012	QQR0716-001Z QQL211K-5R6Y QQL211K-270Y QQR0716-001Z	LEAD CORE PEAKING COIL PEAKING COIL LEAD CORE	5. 6µН 27µН

DIO	DE		
D8007 D8008 D8009 D8010 D8011 D8012 D8013 D8014	P1241-04 155133-T2 5LR-342MG-T16 5PR-39MVWF 155133-T2 5LR-342DU-T16 5LR-342DU-T16 MTZJ6.8A-T2	C.D.S. SI.DIODE L.E.D. (GRN) L.E.D. SI.DIODE L.E.D. (ORG) L.E.D. (YLW) ZENER DIODE	
D8018	MTZJ5.1B-T2	ZENER DIODE	

Т	R/	AΝ	S	Ι	S	Т	OI	₹

Q8001 Q8002 Q8003-04 Q8005-07	2SA1015/YG/-T DTC144ESA-T DTA144ESA-T DTC144ESA-T	SI.TRAMSISTOR DIGI.TRAMSISTOR DIGI.TRAMSISTOR DIGI.TRAMSISTOR DIGI.TRAMSISTOR	
IC			
IC8001	GP1U281Q	IFR DETECT UNIT	
отн	ERS		
	CEMG002-001Z LC30596-001B-C	FUSE CLIP LED HOLDER COS HOLDER	

Δ	Symbol No.	Part No.	Part Name	Description
_	отне	RS		
<u>A</u>	18004 18005 18006 LF8901 LF8902 S8001 S8002 S8003	CEMN011-001 CEMN011-002 CEMN011-003 QQR1095-001 QQR1095-001 QSM0619-003Z QSW0619-003Z QSW0619-003Z	JACK JACK JACK JACK LINE FILTER LINE FILTER PUSH SWITCH PUSH SWITCH	MENU Ch do n n Ch up
Δ	\$8901	QSW0824-001	PUSH SWITCH	MAIN POWER

BBE PW BOARD ASS'Y (SMD0A001A-U2)

Δ	Symbol No.	Part No.	Part Name	Description	
_	RES	STOR			
	R0101-02 R0106-07 R0108-09 R0113 R0116 R0117 R0118	QRE141J-223Y QRE141J-223Y QRE141J-103Y QRE141J-103Y QRE141J-273Y QRE141J-273Y QRE141J-273Y	C R C R C R C R C R C R	22kΩ 1/4k J 22kΩ 1/4k J 10kΩ 1/4k J 10kΩ 1/4k J 27kΩ 1/4k J 8.2kΩ 1/4k J 27kΩ 1/4k J	
	R0119	QRE141J-822Y	ČŘ	8.2kΩ 1/4W J	

CAPACITOR	
C0101 QFLC1HJ-332Z M CAP. 3300pF C0102 QFLC1HJ-333Z M CAP. 0.033µF C0103 QFLC1HJ-333Z M CAP. 4.7µF C0104 QFLM1MM-1067 E CAP. 4.7µF C0105 QFLM1MM-1067 E CAP. 10µF C0105 QFLM1MM-1067 E CAP. 4.7µF C0107 QFV71MJ-1047 M FCAP. 0.1µF C0108 QFLC1HJ-333Z M CAP. 3300pF C0109 QFLC1HJ-333Z M CAP. 0.033µF C0109 QFLC1HJ-33Z M CAP. 0.033µF C0109 QFLC1HJ-1MJ-1MJ-1MJ-1MJ-1MJ-1MJ-1MJ-1MJ-1MJ-1M	50V J 50V J 50V M 50V M 25V M 50V J 50V J 50V J
C0110 QENC1HH-475Z BP E CAP. 4.7µF C0112 QETN1HH-476Z E CAP. 47µF C0114-15 QETN1HH-106Z E CAP. 10µF	50V M 50V M 50V M
IC	
ICO101 NJH2150AD I.C.(MONO-ANA)	
OTHERS	
CN0001 QGB3501K1-40 PLUG	



3.15A

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IF PW BOARD ASS'Y (SMD0F003A-U2)

Symbol No.	Part No.	Part Name	Description
RES	ISTOR		
R0020	NRSA02:-172X	MG R	4.7kΩ 1/10W J
R0021	MRSA02J-122X	MG R	1.2kΩ 1/10W J
R0022	NRSA02:-331X	MG R	330Ω 1/10W J
R0023	NRSA02J-331X NRSA02J-580X	MG R	68Ω 1/10W J
R0024	NRSA023-330X	NG R	33Ω 1/10W J
R0025	NRSA02J-582X NRSA02J-222X	MG R	6.8kΩ 1/10W J
R0026	NRSA02J-222X	MG R	2.2kΩ 1/10W J
R0030-31	NRSA02J-150X	MG R	15Ω 1/10W J
R0050-51	NRSA02J-121X	MG R	120Ω 1/10W J
R0052-53	NRSA02J-561X	MG R	560Ω 1/10W J
R0057	NRSA022-472X	MG R	4.7kΩ 1/10W J
R0058	NRSA02J-272X	MG R	2.7kΩ 1/10W J
R0059	MRSA02J-273X	HG R	27kΩ 1/10W J
R0060-61	MRSA02J-471X	MG R	470Ω 1/10W J
R0062	NRSA02J-102X	MG R	
R0063	NRSA02J-322X	MG R	8.2kΩ 1/10W J
R0064	NRSA021-DROX	MG R	0.0Ω 1/10W J
R0065	NRSA02J-470X	MG R	47Ω 1/10W J
R0070-71	NRSA02J-393X	MG R	39kΩ 1/10W J
R0080-81	NRSAOZJ-473X	MG R	47kΩ 1/10W J
R0082	HRSA02J-272X	MG R	2.7kΩ 1/10W J
R0101	NRSA02J-322X	MG R	8.2kΩ 1/10W J
R0102	NRSA02J-471X	HG R HG R	´470Ω 1/10W J 1kΩ 1/10W J
R0103	NRSA02J-102X	MG R	1K11 1/1UW J
R0104	NR5A02J-121X	MG R	120Ω 1/IOW J
R0105	NRSA02J-151X	MG R	150Ω 1/10W J
R0106	NRSA021-181X	MG R	180Ω 1/10W J
R0107	NRSA02J-221X	NG R	220Ω 1/10W J
R0108	MRSA02J-102X	NG R NG R	1kΩ 1/10W J 180Ω 1/10W J
R0109 R0111-12	MRSA02J-181X MRSA02J-151X	MG R	180Ω 1/10W J 180Ω 1/10W J
R0111-12	NRSA02J-151X	MG R	390Ω 1/10W J
			4 40 11141
R0114	NRSA02J-OROX	NG R NG R	0.0Ω 1/10W J 1kΩ 1/10W J
R0116 R0117	NRSAOZJ-10ZX NRSAOZJ-33ZX	MG R	1kΩ 1/10W J 3.3kΩ 1/10W J
R0120	MRSA02J-222X	MG R	2.2kΩ 1/10W J
R0122-24	NRSA02J-103X	MG R	10kΩ 1/10W J
R0140	HRSA02J-474X	MG R	470kΩ 1/10W J
R0141	MRSA02J-101X	MG R	100Ω 1/10W J
R0142	MRSA02J-391X	MG R	390Ω 1/10W J
R0143	MRSA023-750X	MG R	75Ω 1/10W J
R0144	NRSA02J-474X	MG R	470kΩ 1/10W }
R0145	MRSA02J-332X	MG R	3.3kΩ 1/10W J
R0146	MRSA02J-104X	MG R	100kΩ 1/10W J
R0601	MRSA02.'-822X	MG R	8.2kΩ 1/10₩ J
R0602	MRSA023-102X	MG R	IkΩ 1/10₩ J
R0603	NRSA02J-104X	MG R	100kΩ 1/10W J
R0 6 04	NRSA021-683X	MG R	68kΩ 1/10W J
R0605-06	NRSA02J-392X	MG R	3.9kΩ 1/10W J
R0607-08	NRSA02J-562X	MG R	5.6kΩ 1/10W J
R0609	QRZ9017-470	FR	47Ω 1/4W J
CAP	ACITOR	•	
C0020-25	NCB21HK-472X	C CAP. C CAP. C CAP. C CAP.	4700pF 50V K
C0026 C0031-32	MCB21HK-472X MCB21HK-472X	C CAP	4700pF 50V K 4700pF 50V K
C0031-32	MCB21HK-682X	č ČAP.	6800pF 50V K
C0041	QETNICH-107Z	E CAP.	100μF 16V M
C0042	NCB21HK-103X	C CAP.	0.01µF 50V K
C0043	QETN1CM-107Z	E CAP.	100μF 16V M
C0044	NCB21HK-103X	C CAP.	0.01µF 50V K
C0046	NCB21HX-103X	C CAP.	0.01µF 50V K
C0047	OETNICM-227Z	E CAP.	220µF 16V M
C0050	OETNIHM-105Z		1nF 50V B
C0051	NC821HK-472X	E CAP. C CAP. C CAP.	4700pF 50V K
C0053	NOC21HJ-6ROX	C CAP.	6.0pF 50V J
C0054 C0055	NCB21HK-103X OETN1CM-107Z	C CAP. E CAP.	0.01μF 50V K 100μF 16V M
C0056	QETH1HH-474Z	E CAP.	0.47μF 50V M
20070	de intros. 4145		,
C0057	NDC21HJ-102X	C CAP.	1000pF 50V J

0058 0060 0061	CITOR			
0060 0061				
0061	NCB21HX-472X	C CAP. C CAP.	4700pF	50V K
	NDC21HJ-12OX NDC21HJ-7ROX	C CAP.	12pF 7.0pF	50V J 50V J
0062	QETN1HM-474Z	F CAP.	0.47µF	50V M
0063	NCB21HK-103X	C CAP. C CAP.	0.01uF	50V K
0064 0065	NCS21HK-472X QETN1HM-105Z	E CAP.		50V K 50V M
0067	NDC21HJ-120X	Č ČÁP.	12pF	50V j
0069-70	MCB21HK-103X	C CAP.		50V K
0071	QETH1HM-336Z NCB21HK-472X	E CAP. C CAP.	33μF 4700pF	50V M 50V K
0080-81 0101	OFTN1CM-4767	E CAP.	4700pr 47µF	16V M
0102	NDC21HJ-221X NDC21HJ-121X	E CAP. C CAP. C CAP.	220pF	50V J
0103-04 0105	NDC21HJ-121X NCB21HK-103X	C CAP. C CAP.	120pF 0.01µF	50V J 50V K
0140	QETN1HM-335Z	E CAP.	3.3µF	50V H
0141	NOC219J-561X	C CAP.	560pF	SOV J
0142	QETNIHM-105Z Oflc1HJ-683Z	E CAP. N CAP.	1μF 0.068μF	50V M 50V J
0143 0144	QETN1H#-335Z	n CAP. E CAP.	0.000µF 3.3uF	50V M
0145	NCB21HK-222X	E CAP. C CAP.	3.3µF 2200pF	50V K
0601 0602	QFLC1HJ-183Z Qetn1CN-476Z	M CAP. E CAP.	0.018μF 47μF	50V J 16V M
0603	QETNINM-106Z	E CAP.	10μF	50V H
0604	QETN1HM-105Z	E CAP.	1μF	50V H
0605	QETN1CM-477Z NCB21HK-103X	E CAP. C CAP.	470µF	16V M 50V K
0606	WFDT1UV-103Y	C CAF.	0.01µF	, ruc
TRAN	ISFORM	ER		
0020	QQR0626-001	I.F.TRANSF.		
0050 0051	CELTO01-307 CELTO01-306	C.WAVE TRANSF. C.WAVE TRANSF.		
0071	FFF1001-300	C.MITE HOMES!		
COIL				
L0020	QQLZ014-R47	PEAKING COIL		0.47μΗ
.0021	MQL011K-1R5X	COIL		1.5µH
.0040 .0042	HQL024J-120X HQL024J-330X	COIL		12µH 33uH
0050-53	HQLO11K-8R2X	COIL		8.2µH
.0054	MQL024J-330X MQL011K-5R6X	COIL		33µH 5.6µH
.0070 .0101	HQLOTIK-SKGX	COIL		5.8μH
L0102-03	HQL011K-100X	COIL		10μH
.0104	HQL011K-8R2X	COIL		8.2µH
010	DE			
00021	DAN235K-X	CHIP DIODE		
0050-51	DAN235K-X	CHIP DIODE		
TRAN	NSISTO	R		
10012	25C5083/1-P/-T	CT TRANSISTING		
00080	25C2712/YG/-X 25C2712/YG/-X	SI.TRANSISTOR SI.TRANSISTOR		
20101 30102	2SC2712/YG/-X 2SA1162/YG/-Y	SI.TRANSISTOR SI.TRANSISTOR		
10080 10101 10102 10103 10104	2SA1162/YG/-X DTC144EKA-X 2SC2712/YG/-X 2SC2712/YG/-X	DIGI.TRANSISTOR		
00104 00106	25C2712/YG/-X	SI.TRANSISTOR SI.TRANSISTOR		
0105	25A1162/YG/-X	SI. TRANSISTOR		
Q0108	DTC144EKA-X	DIGI.TRANSISTOR		
Q0109-11	DTC144EKA-X 2SC2712/YG/-X DTC124EKA-X DTC144EKA-X	SI.TRANSISTOR DIGI.TRANSISTOR		
Q0120 Q0122-26	DTC144EKA-X	DIGI.TRANSISTOR SI.TRANSISTOR		
Q0601-02	2SC2712/YG/-X	SI.TRANSISTOR		

Symbol Mo.	Part No.	Part Name	Description
IC			
IC0010	TA8865BN	I.C. (NONO-ANA)	
ОТН	ERS		
CF0010-11	QAX0619-001	C TRAP	
CF0100	TPS5.5MM	CERAMIC FILTER	
CF0140	CSBS03F30-T2	CER.RESONATOR	
SF0010	QAX0531-001	SAW FILTER	
SF0011 TC0052	QAX0621-001	SAW FILTER	
TC0052	QAT7004-100	TRIM.CAP.	10pF 100V
W0008	QAT7004-100	TRIM.CAP.	10pF 100V
MUUUO	NRSA02J-OROX	MG R	0.0Ω 1/10W J
W0013	NRSA02J-GROX	MG R	0.0Ω 1/10W J
W0015	NRSAG2 I - OROX	HG R	0.0Ω 1/10W J
W0025-26	MRSAGZJ-OROX	MG R	0.00 1/10W I
W0028-29	NRSA02J-OROX	MG R	0.0Ω 1/10W I
W0031-32	NRSA02J-DROX	NG R	0.0Ω 1/10W J
₩0036	NRSA021-OROX	MG R	0.00 1/10W
H0073-75	NRSA02J-OROX	MG R	0.002 1/10W J
W0094-99	NRSA02J-OROX	MG R	0.0Ω 1/10W J
		IIV N	0.052 E/10W J
Y0002	NRSA021-ORGX	MG R	0.0Ω 1/10W J

AV TERMINAL PW BOARD ASS'Y (SMD0J003A-U2)

Symbol Mo.	Part No.	Part Name	Descr	iption
RES	ISTOR			
R0104 R0106 R0108	QRE141J-750Y QRE141J-750Y QRE141J-750Y	C R C R C R	75Ω 1. 75Ω 1. 75Ω 1.	/4W]
R0112	QRE141J-750Y	CR	75Ω 1/	(4₩ J
R0204 R0304	QRE1413-750Y QRE141J-750Y	C R C R	75Ω 1/ 75Ω 1/	
CAP	ACITOR	.		
C0102-04	QEKC1CH-106Z	E CAP.	10uF 1	.6V H
C0105-08 C0109	QCB31HK-472Z QETN1AH-108Z	C CAP.	4700pF 5	OV K
C0202	QE181AR-108Z QCB31HK-103Z	E CAP. C CAP.		OV K
C0203-06	QCB31HK-472Z	C CAP.		OV K
C0209	QETN1AM-108Z	E CAP.	1000µF 1	OV H
C0302 C0305-06	QCB31HK-103Z QCB31HK-472Z	C CAP. C CAP.		0V K
COI	-			
L0101-04 L0105	QQL211K-5R6Y QQR0716-001Z	PEAKING COIL		5.6µH
L0201-04	QQL211K-SR6Y	LEAD CORE PEAKING COIL		5.6µH
L0205	00R0716-001Z	LEAD CORE		
L0301-02 L0303	QQLZ11K-5R6Y QQR0716-001Z	PEAKING COIL LEAD CORE		5.6µH
DIOD)E			
DO101-05	MTZJ138-TZ	ZENER DIODE		
ОТНЕ	RS			
CN0008 J0001-03	CHA401N-35R-3 CE40529-006	HQF CONNECTOR SCART CONNECTOR		

SUB MICON & AUTO PANC	RAMA PW BOARD
ASS'Y (SMD0W003A-U2)	

Symbol No.	Part No.	Part Name	Description	
RES	ISTOR			-
R0001	NRSAOZJ-101X	MG R	100Ω 1/10W j	
R0002	NRSA02J-104X	MG R	100kΩ 1/10W J	
R0003	NRSA02J-393X	MG R	39kΩ 1/10W J	
R0004	NRSA02J-332X	MG R	3.3kΩ 1/10W J	
R0005-07	NRSA02J-102X	MG R	1kΩ 1/10W	
R0008	NRSA02J-472X	MG R	4.7kΩ 1/10W J	
R0009	NRSA021-331X	MG R	330Ω 1/10W J	
R0010	NRSA02J-102X	MG R	1kΩ 1/10W J	
R0011	NRSA02J-332X	MG R	3.3kΩ I/10W J	
R0012	NR5A02J-272X	MG R	2.7kΩ 1/10W J	
R0020-26	MRSAOZJ-102X	MG R	1kΩ 1/10W J	
R0045	NRSAO2J-472X	MG R	4.7kΩ 1/10W J	
R0051	NRSA02J-472X	MG R	4.7kΩ 1/10W J	
R0054 .	NRSA02J-103X	MG R	10kΩ 1/10W J	
R0060	MRSA02J-823X	MG R	82kΩ 1/10W j	
R0751	NRSA02J-102X	MG R	1kΩ 1/10W J	-
R0752-57	NRSA02J-103X	MG R	10kΩ 1/10W J	Š
R0758	NRSA02J-472X	MG R	4.7kΩ 1/10W J	'n
R0759-60	NRSA02J-103X	MG R	10kΩ 1/10W J	ුල
R0761-66	MRSA02J-822X	MG R	8.2kΩ 1/10W J	<u>.</u>
				AV-32WFX1EUG/EUS
CAPA	ACITOR	1		`. %
C0001	NENSIAM-336X	CHIP AL BP E CAP	33uF 10V M	3
C0002 C0003	NDC21HJ-221X	C CAP.	220pF 50V J 22pF 50V J	30
C0004-05	NDC21HJ-220X	C CAP.		106629.3
C0004-05 C0006	NCB21HK-104X	CHIP CAP.	0.1µf 50V K	
C0009	NEH71CM-476X	E CAP.	47μF 16V M	
	MEH71CM-106X	E CAP.	10μF 16V M	
0010-11	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	
0751	NEH71CM-476X	E CAP.	.47µF .16V M	
0752-57	NCB21HK-104X	CHIP CAP.	0.1uF 50V K	
0758	NCB21HK-103X	C CAP.	0.01uF 50V K	

D0005 HA3051/M/-X D0751 HA111-X D0752-53 HA3062/M/-X

DIODE

TRA	NSISTO	R	
Q0001-02 Q0003 Q0004-05 Q0751-52	2SC2412K/QR/-X 2SA1162/YG/-X 2SC2412K/QR/-X 2SC2712/YG/-X	SI.TRAMSISTOR SI.TRAMSISTOR SI.TRAMSISTOR SI.TRAMSISTOR	
IC			

IC0001	JCCS035	I C
IC0002	MN1382/Q/-X	I.C.(MONO-ANA
IC0751	SA8-C16IRI-W	I.C.(DIGI-MOS
IC0752	MX23C4000PC10M1	EPROM(4MBIT)
IC0753	AT24C16N-10SC-X	I.C.(EP-ROM)
100733	VITACTON-TOJC-X	1.C.(EF-KUH)

OTHERS

001 CE42564-001Y	IC SOCKET CER.RESONAT C RESONATOR
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MG R	1000 1/10N J 2.2k0 1/10N J 4.7k0 1/10N J 4.7k0 1/10N J 1000 1/10N J 1k0 1/10N J 3300 1/10N J 2.2k0 1/10N J 2.7k0 1/10N J 2.7k0 1/10N J 1800 1/10W J 1800 1/10W J 1000 1/10W J 1000 1/10N J 2.2k0 1/10N J 2.2k0 1/10N J 2.2k0 1/10N J	RESISTOR R0190 MR5A02J-102X R0191 MR5A02J-212X R0192 MR5A02J-212X R0193 MR5A02J-101X R0201-16 MR5A02J-101X R0201-16 MR5A02J-101X R0303-18 MR5A02J-101X R0401 MR5A02J-103X R0403 MR5A02J-103X R0404 MR5A02J-103X R0406 MR5A02J-102X R0406 MR5A02J-103X R0406 MR5A02J-103X R0407 MR5A02J-103X R0408 MR5A02J-103X R0408 MR5A02J-103X R0409 MR5A02J-103X R0411 MR5A02J-103X R0411 MR5A02J-103X	MG R 1kΩ 1/10w J MG R 220Ω 1/10w J MG R 220Ω 1/10w J MG R 100kΩ 1/10w J MG R 100kΩ 1/10w J MG R 100Ω 1/10w J MG R 100Ω 1/10w J MG R 10kΩ 1/10w J MG R 22kΩ 1/10w J MG R 22kΩ 1/10w J MG R 22kΩ 1/10w J MG R 2.7kΩ 1/10w J MG R 1.0kΩ 1/10w J MG R 0.0kΩ 1/10w J MG R 0.0kΩ 1/10w J MG R 0.0kΩ 1/10w J	RESISTOF R0607-08 R0607-08 R0609 RN5A021-000 R0610 R0611 R0611 R0612-13 R0612-13 R0616 R0615 R0615 R0615 R0616 R0615 R0616 R0704 R0705-06 R0704 R0705-06 R0708	X NG R 0.00 1/10W J X MG R 100 1/10W J X MG R 0.00 1/10W J X MG R 100 1/10W J X MG R 100 1/10W J X MG R 560 1/10W J X MG R 100 1/10W J X MG R 22k0 1/10W J X MG R 22k0 1/10W J X MG R 22k0 1/10W J X MG R 100 1/10W D X MF R 12k0 1/10W D	CAPACITO C0152 QFTM0JH-2108 C0153 MF21EZ-104X C0154-55 MER7IMH-103X C0156-57 MF21EZ-104X C0166-62 MF21EZ-104X C0166 MF21EZ-104X C0168 MF21EZ-104X C0168 MF21EZ-104X C0181-82 MC21EZ-104X C0191 MC21EZ-104X C0191 MC21EZ-104X C0191 MC21EZ-104X	E CAP. C CAP. E CAP. C CAP. E CAP. C CAP.	2200µF 6.3× M 0.1µF 23∀ Z 1µF 50∀ M 0.1µF 25∀ Z 10µF 16∀ M 0.1µF 23∀ Z 10µF 16∀ M 0.1µF 25∀ Z 8.0pF 50∀ J 0.1µF 25∀ Z
MG R	2.2kG 1/10M J 4.7kG 1/10M J 1000 1/10M J 1kG 1/10M J 1kG 1/10M J 3300 1/10M J 2.2kG 1/10M J 2.7kG 1/10M J 3300 1/10M J 3300 1/10M J 1800 1/10M J 1800 1/10M J 1000 1/10M J	R0191 MRSA021-221X R0192 MRSA021-220X R0193 MRSA021-101X R0201-16 MRSA021-101X R0201-16 MRSA021-101X R0201-18 MRSA021-101X R0401 MRSA021-101X R0401 MRSA021-102X R0404 MRSA021-102X R0406 MRSA021-102X R0406 MRSA021-102X R0406 MRSA021-102X R0407 MRSA021-102X R0408 MRSA021-102X R0409 MRSA021-102X R0411 MRSA021-102X R0411 MRSA021-102X R0411 MRSA021-102X	MG R 2200 1/10M J MG R 2D0 1/10M J MG R 2D0 1/10M J MG R 100kD 1/10M J MG R 100kD 1/10M J MG R 100M 1/10M J MG R 100M 1/10M J MG R 100M 1/10M J MG R 10kD 1/10M J MG R 22kD 1/10M J MG R 22kD 1/10M J MG R 2.2kD 1/10M J MG R 10kD 1/10M J MG R 0.0kD 1/10M J MG R 0.0kD 1/10M J MG R 0.0kD 1/10M J	R0510 MSA021-00 R0512-13 MSA021-100 R0512-13 MSA021-50 R0614 MSA021-50 R0615 MSA021-82 R0616 MSA021-82 R0704 MSA021-82 R0704 MSA021-82 R0708 R0709 MSW020-123 R0709 MSW020-123 R0714 MSW020-123 R0715 MSW020-123	X MG R 0.00 1/10M J X MG R 100 1/10M J X MG R 560 1/10M J X MG R 560 1/10M J X MG R 100 1/10M J X MG R 8.2k1 1/10M J X MG R 22k1 1/10M J X MG R 0.00 1/10M J X MF R 12k0 1/10M D X MF R 12k0 1/10M D X MF R 12k0 1/10M D	C0154-55 NEH71MH-105X C0156-57 NE72IEZ-104X C0161-62 MEPIZEZ-104X C0163 MEPIZEZ-104X C0164 MEPIZEZ-104X C0165-80 MEPIZEZ-104X C0181-82 MDCZ1HJ-8ROX C0191 MCZ1HZ-104X C0192 MEPIZEZ-104X C0193 MERIZEZ-104X	E CAP. C CAP. E CAP. C CAP. E CAP. C CAP. C CAP. C CAP. C CAP. E CAP.	1uf 50v M 0.1uf 25v Z 10uf 16v M 0.1uf 25v Z 10uf 16v M 0.1uf 25v Z 8.0pf 50v J 0.1uf 25v Z
MG R	27KΩ 1/10M J 3300 1/10M J 1800 1/10M J 1000 1/10M J 1000 1/10M J 1000 1/10M J 4700 1/10M J 2200 1/10M J	R0403 MR.S.A02.J-223X R0404 MR.SA02.J-222X R0406 MR.SA02.J-561X R0409 MR.SA02.J-561X R0409 MR.SA02.J-102X R0411 MR.SA02.J-0R0X R0412 MR.SA02.J-561X R0413 MR.SA02.J-101X	MG R 22kΩ 1/10W 3 MG R 2.2kΩ 1/10W 3 MG R 1kΩ 1/10W 3 MG R 550Ω 1/10W 3 MG R 1kΩ 1/10W 3 MG R 0.0Ω 1/10W 3	R0705-06 HRVA02D-123 R0708 HRVA02D-123 R0709 HRVA02D-822 R0714 HRVA02D-822 R0715 HRVA02D-333	K MFR 12KΩ 1/10M D K MFR 12kΩ 1/10M D K MFR * 8.2kΩ 1/10M D	C0191 NCF21EZ-104X C0192 NEH71CM-106X C0193 NCB21HK-103X	C CAP. E CAP.	0.1µF 25V Z
NG R NG R NG R NG R	100Ω 1/10W J	1	MG R 560Ω 1/10W J MG R 100Ω 1/10W J	R0716 MRSA02J-273 R0717 MRSA02J-123	K MG R 33KΩ 1/10M J K MG R 27kΩ 1/10M J K MG R 12kΩ 1/10M J	C0194 NRSA02J-223X C0201-02 QETMOJM-477Z C0203-07 NCF21EZ-104X C0208-09 NDC21HJ-150X	MG R £ CAP. C CAP. C CAP.	10uF 15V M 0.01uF 50V K 22kG 1/10w J 470uF 6.3V M 0.1uF 25V 2 15pF 50V J
NG R NG R	1kΩ 1/10N J 330Ω 1/10N J 2.2kΩ 1/10N J 47kΩ 1/10N J 27kΩ 1/10N J 27kΩ 1/10N J 27kΩ 1/10N J	R0415 MRSA02J-151X R0417 MRSA02J-102X R0418 MRSA02J-202X R0419 MRSA02J-101X R0420 MRSA02J-011X R0425 MRSA02J-071X R0425 MRSA02J-072X	MG R 1500 1/10M J MG R 150 1/10M J MG R 200 1/10M J MG R 1000 1/10M J MG R 4700 1/10M J MG R 0.00 1/10M J MG R 1.220 1/10M J	R0718 MSA021-53 R0719 MSA021-22 R0720 MSA021-22 R0721 MSA021-22 R0723 MSA021-62 R0724 MSA021-56 R0726 MSA021-56 R0726 MSA021-56 R0727 MSA021-52	K NG R 4,7KD 1/10N J K NG R 22KΩ 1/10N J K NG R 12KΩ 1/10N J K NG R 12KΩ 1/10N J K NG R 6,8KD 1/10N J K NG R 2,7KD 1/10N J K NG R 2,7KD 1/10N J K NG R 220KΩ 1/10N J	C0301-19 NCF21EZ-104X C0401 NEFT/CM-106X C0402 NCF21EZ-104X C0403 NEFT/CM-106X C0404 NCF21EZ-104X C0405-06 NCC21N1-120X C0408-13 NCE21N1-103X C0414 NCF21EZ-104X	E CAP. C CAP. E CAP. C CAP. C CAP. C CAP. C CAP.	0.1µf 25V Z 10µf 16V H 0.1µf 25V Z 10µf 16V H 0.1µf 25V Z 12µf 25V Z 12µf 50V J 0.1µf 25V Z 12µf 50V J 0.1µf 25V Z 1µf 50V H 0.1µf 25V X
NG R MG R M	1800 1/10M J 1000 1/10M J 330 1/10M J 2.7kG 1/10M J 1000 1/10M J 4700 1/10M J 2200 1/10M J 1000 1/10M J	R0428 MRSA02F-561X 80429 MRSA02F-333X 80431 MRSA02J-080X 80432 MRSA02J-161X 80433 MRSA02J-161X 80435 MRSA02J-151X 80437 MRSA02J-151X 80437 MRSA02J-120X	MG R 3.6kQ 1/10M F MG R 33kQ 1/10M F MG R 0.0Q 1/10M J MG R 550Q 1/10M J MG R 100Q 1/10M J MG R 150Q 1/10M J MG R 15Q 1/10M J MG R 15Q 1/10M J MG R 22Q 1/10M J	R0731 MS.A021-080 R0733 MS.A021-133 R0734 MS.A021-123 R0736 MS.A021-123 R0737 MS.A021-224 R0738 MS.A021-273 R0739 MS.A021-273 R0740 MS.A021-622	C MG R 150kQ 1/30W 3 C MG R 12kQ 1/30W 3 C MG R 12kQ 1/30W 3 C MG R 12kQ 1/30W 3 C MG R 220QQ 1/30W 3 C MG R 27kQ 1/10W 3 C MG R 3,3kQ 1/30W 3	C0415 MEH7IMH-105X C0416 MEH7ICH-106X C0417 ME721EZ-104X C0420 MEH7IMH-105X C0422 MESA0Z1-0R0X C0424 MEH7IMH-105X C0425 MEH7IMH-105X C0426 ME721H7-0476X C0426 ME721EZ-1044X	C CAP. E CAP. MG R E CAP. E CAP.	10pf 16V H 0.1uf 25V Z 1uf 50V H 0.0uf 170W H 0.0u 1710W J 1uf 50V H 47µf 16V H 0.1µf 25V Z
MG R	1KG 1/10m J 330G 1/10m J 2.2kG 1/10m J 47kG 3/10m J 27kG 1/10m J 27kG 1/10m J 27kG 1/10m J 180G 1/10m J 100G 1/10m J	R0439 NRSA02J-101X R0440 NRSA02J-127X R0441 NRSA02J-127X R0442 NRSA02F-552X R0451 NRSA02J-R0XX R0455 NRSA02J-R0XX R0452 NRSA02J-R0XX R0453 NRSA02J-101X	MG R 10000 1/10m J MG R 4700 1/10m J MG R 1.200 1/10m J MG R 5.600 1/10m F MG R 3300 1/10m F MG R 0.00 1/10m J MG R 5500 1/10m J MG R 1000 1/10m J	R0741 MRSA021-228 R0742 MRSA021-228 R0743 MRSA021-883 R0744 MRSA021-224 R0745 MRSA021-2563	(MG R 2200c1 1/10M J (MG R 68kΩ 1/10M J (MG R 220kΩ 1/10M J (MG R 56kΩ 1/10M J	C0432 MRSA02J-0R0X C0434 MEPTIMH-105X C0435 KCF21EZ-104X C0452 MRSA02J-0R0X C0454 MEPTIMH-105X C0455 KCF21EZ-104X C0472 MRSA02J-0R0X C0474 MEPTIMH-105X	C CAP. MG R . E CAP. C CAP. MG R	0.00 1/10w J 1pF 50V M 0.1pF 25V Z 0.00 1/10w J 1pF 50V M 0.1pF 25V Z 0.00 1/10w J 1pF 50V M 1pF 50V M 1pF 50V M
MG R	150 1/10M J 2.2kG 1/10M J 1000 1/10M J 4700 1/10M J 2200 1/10M J 100 1/10M J 1.2kG 1/10M J 560 1/10M J 680 1/10M J	R0455 HRSA021-151X R0457 HRSA021-102X R0458 HRSA021-20X R0459 HRSA021-21X R0460 HRSA021-411X R0461 HRSA021-121X R0462 HRSA02F-5231X R0463 HRSA02F-5231X R0463 HRSA02F-30X	MG R 1500 1/10W J MG R 1kD 1/10W J MG R 2202 1/10W J MG R 2020 1/10W J MG R 1000 1/10W J MG R 4700 1/10W J MG R 1,2k0 1/10W J MG R 5,28k0 1/10W F MG R 33k0 1/10W F MG R 0,000 1/10W F	C0001 NEH71CH-476 C0002 NF71E7-10-0 C0003 NEH71ER-676 C0004 NEF71E7-10-0 C0005 NEH71CH-676 C0005 NEF71E7-10-0 C0007 NEF71E7-10-0 C0007 NEF71E7-10-0 C0007 NEF71E7-10-0	(C.AP. 0.1uF 25V Z C.AP. 47uF 16V M C.CAP. 0.1uF 25V Z C.EAP. 47uF 16V M C.CAP. 0.1uF 25V Z C.CAP. 0.1uF 25V Z C.CAP. 0.1uF 25V Z C.CAP. 47uF 16V M	C0475-76 NF721E2-104K C0477 NC213J-551X C0501 MC813IK-383X C0504 MC812IK-353X C0505-06 MC813IK-363X C0501 WF712C1-2104K C0602 MF712C1-2104K C0602 MF712C1-2104K C0603 MF712C1-2104X	C CAP. C CAP. C CAP. C CAP. E CAP. C CAP.	0.1uF 25V Z 560pF 50V J 0.033uF 50V K 5600pF 50V K 0.039uF 50V K 0.1uF 25V Z 47uF 16V M 0.1uF 25V Z
MG R MG R MG R MG R MG R MG R	1000 1/10M J 33kD 1/10M J - 22kD 1/10M J 1.2kD 1/10M J 1800 1/10M J 680 1/10M J 0.00 1/10M J	R0472 MRSA021-391X R0473 MRSA021-101X R0475 MRSA021-101X R0476 MRSA021-122X R0477 MRSA021-122X R0478 MRSA021-102X R0479 MRSA021-101X	MG R 3900 1/10M J MG R 1000 1/10M J MG R 330 1/10W J MG R 1.RG 1/10M J MG R 1.RG 1/10M J MG R 220 1/10M J MG R 1000 1/10W 3	C0009 NDC21HJ-121 C0011 NDC2HJ-727 C0102 NDC2HJ-727 C0103 NDC2HJ-621 C0104 NDC2HJ-620 C0104 NENSEM-106 C0105 NF21HZ-224 C0106 NF21HZ-224 C0106 NF21HZ-390	C C CAP. 276F 50V J C C CAP. 1206F 50V J C C CAP. 686F 50V J C C CAP. 686F 50V J C C CAP. 0.224F 50V 2 C C CAP. 0.224F 50V 2 C C CAP. 0.14F 25V 7	C0605 MCF21E7-104K C0606 MCC1913-881X C0701 MC212H-181X C0705 MC212H-102X C0706 MC212H-102X C0707 MC212H-102X C0708 MC212H-102X C0708 MC212H-102X C0708 MC212H-102X C0708 MC212H-102X	C CAP. C CAP. C CAP. C CAP. C CAP. E CAP.	0.1af 25% 7 580af 500 J 1000af 500 K 0.15af 25% K 0.1af 25% K 0.1af 25% K 0.1af 25% K 0.1af 25% K
no r	1kΩ 1/10W J 1.8kΩ 1/10M J 56Ω 1/10M J 1KΩ 1/10M J 1KΩ 1/10M J 680Ω 1/10M J 100kΩ 1/10M J	R0486 NRSA02J-683X R0487 NRSA02J-103X R0488 NRSA02J-223X R0489 NRSA02J-562X R0491-92 NRSA02J-102X R0501 NRSA02J-102X	MG R 68KG 1/10W J MG R 10KG 1/19W J MG R 22KG 1/10W J MG R 5.6KG 1/10W J MG R 1KG 1/10W J MG R 100KG 1/10W J	C0109 MEMS1HM-103 C0110 MCB21HK-103 C0111 MCC21HK-103 C0112-14 MEM71CM-106 C0122 MCC21HI-1580 C0123 MCC21HI-1580	CHIP AL BP E CAP 1	C0712 NEH71CN-106X C0713 NCB21HK-223X	E CAP. C CAP.	0.1uf 25% Z 10uf 15% M 1.022uF 50% K
NG R NG R NG R NG R NG R	470Ω 1/10N J	R0505 MRSA02J-272X R0506 MRSA02J-472X R0507 MRSA02J-0R0X R0512 MRSA02J-103X R0514-15 MRSA02J-6R0X R0516 MRSA02J-0R0X	MG R 2.7kΩ 1/10W J MG R 4.7kΩ 1.70M J MG R 0.02 1/10W J MG R 1002 1/10W J MG R 1002 1/10W J MG R 6.8kQ 1/10W J MG R 0.0Ω 1/10W J	C0125 NCF21H2-224 C0126 NCF21E2-104 C0142 N0C21H-121 C0143 N0C21H-160 C0144 NR51H-105 C0145 NCF21H-500	C CAP. 0.22uF 50W Z C CAP. 0.1µF 25W Z C CAP. 120bF 50W J C CAP. 120bF 50W J C CAP. 19F 50W M C CAP. 0.22uF 50W Z	L0010 NQC011K-3R3X L0021 NQC011K-3R3X L0041 NQC011K-3R3X L0161 NQC028J-100X L0162 NQC028J-100X L0163-64 NQC028J-100X L0201-02 NQC028J-100X	COIL COIL COIL COIL COIL COIL COIL	
	MG R MG R MG R MG R MG R MG R	MG R 0.0Ω 1/10W J MG R 100Ω 1/16W J MG R 1kΩ 1/10W J MG R 1.8kΩ 1/10W J MG R 56Ω 1/10W J MG R 1/10W J MG R 1/10W J MG R 1/10W J MG R 680Ω 1/10W J MG R 100Ω 1/10W J	MG R 1000 1/10W J R0479 MR3A02J-101X MG R 1000 1/10W J R0480 MR5A02J-221X MG R 11x0 1/10W J R0486 MR5A02J-221X MG R 11x0 1/10W J R0486 MR5A02J-203X MG R 11x0 1/10W J R0487 MR5A02J-103X MG R 15x0 1/10W J R0489 MR5A02J-563X MG R 10x1 1/10W J R0489 MR5A02J-563X MG R 10x1 1/10W J R0489 MR5A02J-563X MG R 10x1 1/10W J R0491-92 MR5A02J-103X MG R 10x1 1/10W J R0501 MR5A02J-103X MG R 10x1 1/10W J R0504 MR5A02J-472X MG R 10x1 1/10W J R0506 MR5A02J-272X MG R 11x0 1/10W J R0506 MR5A02J-272X MG R 11x0 1/10W J R0506 MR5A02J-472X MG R 11x0 1/10W J R0506 MR5A02J-472X MG R 11x0 1/10W J R0506 MR5A02J-472X MG R 11x0 1/10W J R0506 MR5A02J-103X MG R 11x0 1/10W J R0506 MR5A02J-103X MG R 11x0 1/10W J R0512 MR5A02J-103X MG R 11x0 1/10W J R0512 MR5A02J-103X MG R 11x0 1/10W F R0514-15 MR5A02J-103X MG R 31x0 1/10W F R0514-15 MR5A02J-103X MG R 31x0 1/10W F R0516 MR5A02J-100X MG R R 31x0 1/10W F R0516 MR5A02J-100X MG R R 31x0 1/10W F R0516 MR5A02J-100X MG R 31x0 1/10W F R0516 MR5A02J-100	MG R 0.00 1/10W J R0479 MS.A02J-101X MG R 1000 1/10W J R0480 MRS.A02J-101X MG R 2200 1/10W J R0480 MRS.A02J-221X MG R 2200 1/10W J MRS.A02J-221X MG R 2200 1/10W J MRS.A02J-221X MG R 10x0 1/10W J MRS.A02J-201X MG R 22x0 1/10W J MRS.A02J-201X MG R 10x0 1/10W J MRS.A02J-201X MG R 2.7K0 1/10W J MRS.A02J-201X MG R 4.7K0 1/10W J MRS.A02J-201X MG R 4.7K0 1/10W J MRS.A02J-201X MG R 4.7K0 1/10W J MRS.A02J-201X MG R 2.7K0 1/10W J MRS.A02J-201X MG R 4.7K0 1/10W J MG R 3.8x1 1/10W F R0507 MS.A02J-201X MG R 0.00 1/10W J MG R 3.8x1 1/10W J R0512 MRS.A02J-201X MG R 0.00 1/10W J MG R 3.8x1 1/10W J R0512 MRS.A02J-201X MG R 0.00 1/10W J MG R 3.8x1 1/10W F R0512 MRS.A02J-201X MG R 0.00 1/10W J MG R 3.8x1 1/10W J MRS.A02J-201X MG R 0.00 1/10W J MG R 3.8x1 1/10W F R0512 MRS.A02J-201X MG R 0.00 1/10W J MG R 3.8x1 1/10W F R0512 MRS.A02J-201X MG R 0.00 1/10W J MG R 3.8x1 1/10W F R0512 MRS.A02J-201X MG R 0.00 1/10W J MG R 1.0x1 1/10W	MC R	MG R 0.00 1/10H J R0479 MESA02]-101X MG R 1000 1/10H J R0480 MESA02]-121X MG R 2200 1/10H J R0480 MESA02]-121X MG R 2200 1/10H J R0486 MESA02]-121X MG R 2200 1/10H J R0487 R05802]-121X MG R 1000 1/10H J R0487 R05802]-123X MG R 1200 1/10H J R0581 R05802]-123X MG R 1200 1/10H J R0580X CAP. 1200 50V J R0581 R05802]-123X MG R 1200 1/10H J R0580X CAP. 1200 50V J R0581 R05802]-123X MG R 1200 1/10H J R0580X CAP. 1200 50V J R0581 R05802]-123X MG R 1200 1/10H J R0580X CAP. 1200 50V J R0581 R05802]-123X MG R 1200 1/10H J R0580X CAP. 1200 50V J R0581 R05802]-123X MG R 1200 1/10H J R0580X CAP. 1200 50V J R0581 R05802]-123X MG R 1200 1/10H J R0580X CAP. 1200 50V J R0581 R05802]-123X MG R 1200 1/10H J R0581 R05802]-	MG R 0.00 1/10h	MG R 0.00 1/10H J R0479 MR5A02J-101X MG R 1000 1/10W J C0105 MR5A02J-10X MG R 2200 1/10W J C0105 MR5A02J-10X MG R 2000 1/10W J C0105 MR5A02J-10X MG R 2000 1/10W J C0105 MR5A02J-10X MG R 2000 1/10W J C0110 MC921HK-103X C CAP. MG R 1.8 NC 1/10H J R0486 MR5A02J-103X MG R 10NC 1/10W J C0110 MC921HK-103X C CAP. MG R 5.01 1/10H J R0488 MR5A02J-103X MG R 10NC 1/10W J C0110 MC921HK-103X C CAP. MG R 5.01 1/10H J R0488 MR5A02J-103X MG R 22AC 1/10W J C0111 MC921HK-103X C CAP. MG R 5.01 1/10H J R0488 MR5A02J-103X MG R 22AC 1/10W J C0111 MC921HK-103X C CAP. MG R 6.00 1/10H J R0489 MR5A02J-103X MG R 22AC 1/10W J C0111 MC921HK-103X C CAP. MG R 6.00 1/10H J R0489 MR5A02J-103X MG R 22AC 1/10W J C0111 MC921HK-103X C CAP. MG R 6.00 1/10H J R0489 MR5A02J-103X MG R 10D/1/10W J C0112 MC921HK-103X C CAP. MG R 6.00 1/10H J R0489 MR5A02J-103X MG R 10D/1/10W J C0112 MC921HK-103X C CAP. MG R 10D/1/10H J R0489 MR5A02J-103X MG R 10D/1/10W J C0112 MC921HK-103X C CAP. MG R 10D/1/10H J R0489 MR5A02J-103X MG R 10D/1/10W J C0112 MC921HK-103X C CAP. MG R 10D/1/10H J R0501 MR5A02J-103X MG R 1.0D/1/10W J C0112 MC921HK-103X C CAP. MG R 10D/1/10H J R0504 MR5A02J-103X MG R 1.0D/1/10W J C0112 MC921HM-105X C MP 1.0D/1/10W J C0112 MC921HA-105X C MP 1.0D/1/10W J C0114 MC921HA-105X

CAPA	CITOR		
C0152 C0153 C0154-55 C0156-57 C0161-62 C0163 C0164 C0165-80	QETHOJM-228Z NCF21EZ-104X NEH71HM-105X NCF21EZ-104X NEH71CM-106X NCF21EZ-104X NEH71CM-106X NCF21EZ-104X	E CAP. C CAP. E CAP. C CAP. E CAP. C CAP. C CAP. C CAP. C CAP.	2200µF 6.3V M 0.1µF 25V Z 1µF 50V M 0.1µF 25V Z 10µF 15V M 0.1µF 25V Z 10µF 15V M 0.1µF 25V Z
C0181-82 C0191 C0192 C0193 C0194 C0201-02 C0203-07 C0208-09	NDC21HJ-8ROX NCF21EZ-104X NEH71CM-106X NCB21HK-103X NRSA02J-223X QETM0JM-4777 NCF21EZ-104X NDC21HJ-150X	C CAP. C CAP. E CAP. C CAP. HG R E CAP. C CAP.	8.0pf 50v J 0.1pf 25v Z 10uf 15v M 0.01pf 50v K 0.01pf 50v K 22k6 11/10w J 470uf 6.3v M 0.1pf 25v Z 13pf 50v J
C0301-19 C0401 C0402 C0403 C0404 C0405-06 C0408-13 C0414	NCF21EZ-104X MEH71CM-106X MCF21EZ-104X MEH71CM-106X MCF21EZ-104X MCC91HZ-120X MCB21HK-103X MCF21EZ-104X	C CAP. E CAP. C CAP. E CAP. C CAP. C CAP. C CAP. C CAP. C CAP.	0.1µF 25V Z 10µF 16V M 0.1µF 25V Z 10µF 18V M 0.1µF 25V Z 12µF 50V J 0.01µF 25V Z 1µF 50V M 0.1µF 25V Z 1µF 50V M 0.1µF 25V Z
C0415 C0416 C0417 C0420 C0422 C0424 C0425 C0426	MEH71HM-105X MEH71CH-106X MCF21EZ-104X MCF71HM-105X MRSA02J-0ROX MEH71HM-105X MEH71CH-476X MCF21EZ-104X	E CAP. E CAP. C CAP. E CAP. MG R E CAP. E CAP.	1µF 50V H 10µF 15V H 0.1µF 25V Z 1µF 50V M 0.000 1/10m J 1µF 50V H 47µF 16V H 0.1µF 25V Z
C0432 C0434 C0435 C0452 C0454 C0455 C0472 C0474	NRSA02J-OROX NEH71HM-105X NCF21EZ-104X NRSA02J-OROX NEH71HM-105X NCF21EZ-104X NRSA02J-OROX NEH71HM-105X	MG R E CAP. C CAP. MG R · E CAP. C CAP. MG R E CAP.	0.00 1/10m J 1µF 50V M 0.1µF 25V Z 0.00 1/10m J 1µF 50V M 0.1µF 25V Z 0.00 1/10m J 1µF 50V M
C0475-76 C0477 C0501 C0504 C0505-06 C0601 C0602 C0603	NCF21EZ-104X NDC21HJ-561X NCB21HK-333X NCB21HK-362X NCB21HK-393X NCF21EZ-104X NEH71CH-476X NCF21EZ-104X	C CAP. C CAP. C CAP. C CAP. C CAP. E CAP. C CAP.	0.1uF 25V 2 550pF 50V J 0.033uF 50V K 5500pF 50V K 0.039uF 50V K 0.1uF 25V Z 47uF 16V M 0.1uF 25V Z
C0605 C0606 C0701 C0706 C0707 C0708 C0709 C0710	NCF21EZ-104X NDC21HJ-681X NCB21HK-102X NCB21EK-104X NCB21EK-104X NCB21HK-103X NCF21EZ-104X NEF21EZ-104X	C CAP. C CAP. C CAP. C CAP. C CAP. C CAP. C CAP. E CAP.	0.1u= 25v Z 680g= 56v J 1000g= 56v K 0.15u= 25v K 0.1u= 25v K 0.01u= 25v K 0.1u= 25v Z 10u= 16v M
C0711 C0712 C0713	NCF21EZ-104X NEH71CM-106X NCB21HK-223X	C CAP. E CAP. C CAP.	0.1µF 25V Z 10µF 16V M 0.022µF 50V K
COIL	•		
L0001-05 L0101 L0121 L0141 L0161 L0162 L0163-64 L0201-02	NQL02BJ-4R7X NQL011K-3R3X NQL011K-3R3X NQL02BJ-100X NQL02BJ-100X NQL02BJ-3R3X NQL02BJ-100X NQL02BJ-100X	COIL COIL COIL COIL COIL COIL	4.7uH 3.3uH 3.3uH 3.3uH 5.3uH 5.3uH 1.0uH
L0301-02	NQLG2BJ-4R7X	COIF	4.7uH

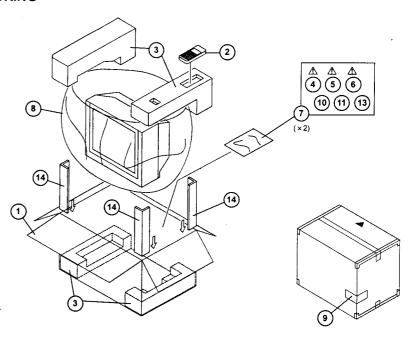
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∆ Symbol No.	Part No.	Part Mame	Description
DIO	DE		
00001 00101-02 00103 00104-05 00106 00107 00401 00403-10	MA152WK-K HA3068/M/-X MA3043-X HA111-X MA3068/M/-X HA111-X HA111-X HA3068/M/-X	SI.DIODE ZENER DIODE ZENER DIODE ZENER DIODE SI.DIODE ZENER DIODE SI.DIODE SI.DIODE ZENER DIODE ZENER DIODE	
00411-13 00414 00701	MA111-X MA3068/%/-X MA111-X	SI.DIODE ZENER DIODE SI.DIODE	

	00411-13 00414 00701	MA111-X MA3068/M/-X MA111-X	SI.DIODE ZENER DIODE SI.DIODE	
-	TRAN	ISISTO	R	-
	Q0101 Q0102 Q0103 Q0104 Q0105 Q0106-07 Q0108 Q0109-10	25A1162/YG/-X 25C2712/YG/-X 25A1162/YG/-X 25C2712/YG/-X 25A1162/YG/-X 25C2712/YG/-X 25A1162/YG/-X 25C2712/YG/-X	SI. TRANSISTOR	
	Q0111 Q0121 Q0122 Q0123 Q0124 Q0141 Q0142 Q0143	2SA1162/YG/-X 2SA1162/YG/-X 2SC2712/YG/-X 2SA1162/YG/-X 2SC2712/YG/-X 2SA1162/YG/-X 2SC2712/YG/-X 2SA1162/YG/-X 2SA1162/YG/-X	SI. TRANSISTOR	
	00144 00151-52 00153 00154 00155	25C2712/YG/-X 25C2712/YG/-X 25A1162/YG/-X 25C2712/YG/-X 25A1162/YG/-X	SI_TRANSISTOR SI_TRANSISTOR SI_TRANSISTOR SI_TRANSISTOR SI_TRANSISTOR SI_TRANSISTOR	
	Q0402 Q0403-05 Q0411 Q0412-15 Q0431 Q0432-35 Q0451 Q0452-55	2SC2712/YG/-X 2SA1162/YG/-X 2SA1162/YG/-X 2SC2712/YG/-X 2SA1162/YG/-X 2SC2712/YG/-X 2SA1162/YG/-X 2SC2712/YG/-X	SI. TRANSISTOR	
	Q0471 Q0472-74 Q0501 Q0601 Q0702	2SA1162/YG/-X 2SC2712/YG/-X 2SC2712/YG/-X 2SC2712/YG/-X 2SC2712/YG/-X	SI. TRANSISTOR SI. TRANSISTOR SI. TRANSISTOR SI. TRANSISTOR SI. TRANSISTOR	
	IC			
	IC0101 IC0102 IC0201 IC0301 IC0401 IC0601 IC0602 IC0603	SDA9206 TC4M66F-X SDA9400 JCC5043 DDP3310B/E4-W SM74LY04AMS-X TC74ACD0F-X MN1382/Q/-X	I C. I.C. (DIGI-MOS) I C I C I C I C I C. I.C. (DIGI-MOS) I.C. (MOMO-AMA)	
	IC0701-02	NJN4556AM-XE	I C	

Symbol No.	Part No.	Part Name	Description
отн	ERS		
LC0001-04 LC0101-03 LC0104 LC0201 LC0401-11 LC0601 LC0602 LC0603	CE42482-103Y CE42482-470Y CE42126-101Y CE42482-103Y CE42126-201Y CE42126-101Y CE42482-470Y CE42126-101Y	EMI FILTER	
X0101 X0201 X0401 Y0001-14 Y0017-28	QAX0549-001Z QAX0359-001Z QAX0548-001Z MRSA02J-0R0X MRSA02J-0R0X	X TAL CRYSTAL X TAL MG R MG R	U.00.1/1Ω0.0 L W01/1Ω0.0





PACKING PARTS LIST

⚠ Ref.No.	Part No.	Part Name	Description
AV-32WFX1E	UG		
1 2 3 4 4 5 4 5 4 6 7 8	AEM1002-065-E RM-C50-1C LC10384-002C-U LCT0615-001A-U LCT0618-001A-U LCT0618-001A-U AEM3021-002-E AEM1047-002-E	PACKING CASE REMOCON UNIT CUSHION ASSY INST BOOK INST BOOK INST BOOK DOCUMENT BAGS POLY BAG	4pcs in 1set For EMG/GER/FRA/NED/ITA/ESF For FIN/MOR/DEM/SWE/POR For POL/CZE/HUN/ROM/BUL/RUS (×2)
9 10 11 13 14	AEM1039-069-E BT-54013-1E 2832WFX1-HSAE AEM1051-001-E AEM3119-001-E	EURO LABEL WARRANTY CARD S.DIAGRAM X-RAY CARD CORNER POST	ONLY ITALY(SERVICE) (×4)
AV-32WFX1E	US		
1 2 3 4 4 5 4 5 7 8	AEM1002-065-E RM-C50-1C LC10384-002C-U LCT0616-001A-U LCT0617-001A-U LCT0618-001A-U AEM3021-002-E AEM1047-002-E	PACKING CASE REMOCON UNIT CUSHION ASSY INST BOOK INST BOOK INST BOOK DOCUMENT BAGS POLY BAG	4pcs in 1set For ENG/GER/FRA/NED/ITA/ESP For FIN/NOR/DEN/SWE/POR For POL/CZE/HUN/ROM/BUL/RUS (×2)
9 10 11 13 14	AEM1039-095-E BT-54013-1E 2832WFX1-HSAE AEM1051-001-E AEM3119-001-E	EURO LABEL WARRANTY CARD S.DIAGRAM X-RAY CARD CORNER POST	ONLY ITALY(SERVICE)

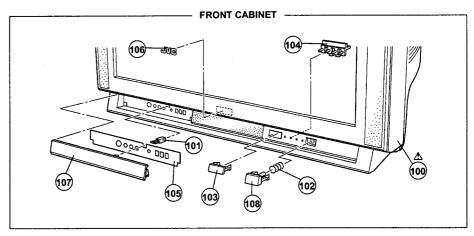
Washer Brief Washing a Br

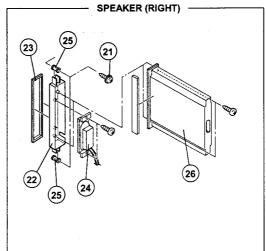
EXPLODED VIEW PARTS LIST (I)

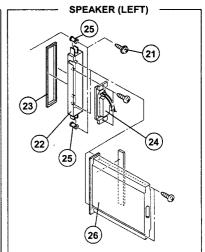
∆ Ref. No.	Part No.	Part Name	Description
21	LC40506-001A	TAP SCREW	(×4)For HORN ADAPTER
	LC10720-001B-U	SPEAKER ADAPTER	(×2)
22 23 24 25	AEM3029-A11-E	STICK SHEET	(×4)
24	QAS0046-001	SPEAKER	(×2) SP01, SP02
25	LC40226-001A	SPACER	(×4)
26	LC10721-001B-U	SPEAKER BOX	(×2)
▲ 100	LC10662-001C-U	FRONT CABI ASSY	Inc. No. 101 ~ 108 [AV-28WFX1EUG]
⚠ 100	LC10662-007B-U	FRONT CABI ASSY	Inc. No. 101~108 [AV-28WFX1EUS]
101	CM48229-00A	DOOR LATCH	
102	CM35235-003-H	SPRING	
103	LC30579-001B-C	REMOCON WINDOW	
104	LC30580-001B-C	L. E. D. LENS	
105	LC31109-002A-U	CONTROL SHEET	[AV-28WFX1EUG]
105	LC31109-004A-U	CONTROL SHEET	[AV-28WFX1EUS]
106	LC40354-001C-C	JVC MARK	
107	LC20265-008A-U	DOOR	(SERVICE) [AV-28WFX1EUG]
107	LC20265-012B-U	DOOR	(SERVICE) [AV-28WFX1EUS]
108	LC30578-002A-C	POWER KNOB	(SERVICE) [AV-28WFX1EUG]
108	LC30578-006A-C	POWER KNOB	(SERVICE) [AV-28WFX1EUS]

AMERICAN COLUMN COLUMN

EXPLODED VIEW (I)







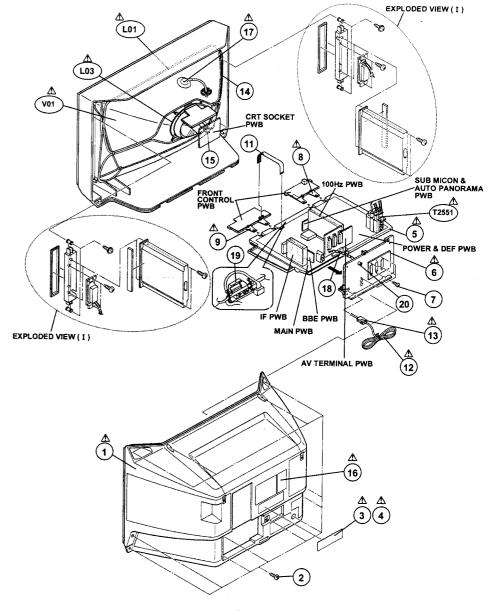
AV-28WFX1EUG / AV-28WFX1EUS

EXPLODED VIEW PARTS LIST (II)

⚠ Ref. No.	Part No.	Part Name	Description
Δ V01 Δ L01	W66ERF031X044 QQW0070-001	CRT DEG COIL	Inc. DY, PC. WED
∆ L03	CELD904-001	ROTATION COIL	(OFDWIAE) WIALL DOWER OFF DWD
⚠ T2551	QQH0054-002-12	H. V. TRANSF.	(SERVICE) Within POWER &DEF PWB [AV-28WFX1EUG]
Δ 1	LC10664-001C-U	REAR COVER REAR COVER	[AV-28WFX1EUS]
∆ 1 1	LC10664-002A-U QYSBSAG4016N	TAPPING SCREW	(×12) For REAR COVER
A 2	LC20380-004A-U	RATING LABEL	For ENG/GER/FRA [AV-28WFX1EUG]
	LC20380-003A-U	RATING LABEL	For ENG/GER/FRA [AV-28WFX1EUS]
∆ 4	LC20379-004A-U	RATING LABEL	For ENG/GER/ITA [AV-28WFX1EUG]
<u></u>	LC20379-003A-U	RATING LABEL	For ENG/GER/ITA [AV-28WFX1EUS]
△ 4 △ 4 △ 5 △ 6	LC10716-001D-U	CHASSIS BASE	
∆ 6	LC10717-001B-U	AV BOARD	(×4)For AV BOARD
7	QYSBSB3012M	TAPPING SCREW	(×4) FOR AV BUARD
∆ 8 ∆ 9	LC10380-003B-U LC10380-004B-U	CONTROL BASE L CONTROL BASE R	
11	CHFD125-08BD	FFC WIRE	
∆ 12	QMPK160-185-JC	POWER CORD	
Δ 12 Δ 13	CM46618-A01-E	POWER CORD CLAMP	
14	WJY0001-004A	E-BRAIDED ASSY	
15	CHGB0017-08	BRAIDED SUB ASSY	(×2)
△ 16	LC30789-002A-U	WARNING LABEL	
▲ 17	QNZ0407-001	ANODE WIRE ASSY	
18	WJX0006-001A	E-COAXIAL ASSY	
19	QQR0491-001	FILTER	
20	CE42112-002	PALJ CONNECTOR	

AV-28WFX1EUG / AV-28WFX1EUS

EXPLODED VIEW (II)



PRINTED WIRING BOARD PARTS LIST

WANTED STATE TANKENTHE CERTS

Symbol No.	Part No.	Part Name	Description	∆ Symbol No.	Part No.	Part Name	Descriptio
RESI	STOR			RES	ISTOR		
R1001 R1002 R1003-06 R1101-03 R1104 R1105 R1107 R1108	QRX126J-474X NRSA02J-103X NRSA02J-102X NRSA02J-102X NRSA02J-681X NRSA02J-392X NRSA02J-391X NRSA02J-102X	C R MG R MG R MG R MG R MG R MG R	470kΩ 1/2N J 10kΩ 1/10N J 1kΩ 1/10N J 1kΩ 1/10N J 1kΩ 1/10N J 3.9kΩ 1/10N J 3.9kΩ 1/10N J 3.9kΩ 1/10N J 1kΩ 1/10N J 1kΩ 1/10N J	R1220 R1221 R1222 R1223 R1224 R1225-26 R1227 R1228	MRSA02J-DROX MRSA02J-391X MRSA02J-823X MRSA02J-DROX MRSA02J-091X MRSA02J-223X MRSA02J-680X	NG R NG R NG R NG R NG R NG R NG R	0.0Ω 1/10w 390Ω 1/10w 82kΩ 1/10w 0.0Ω 1/10w 390Ω 1/10w 22kΩ 1/10w 100kΩ 1/10w 68Ω 1/10w
R1109 R1110 R1111 R1112 R1113 R1121-22 R1123 R1124	NRSA02J-103X NRSA02J-472X NRSA02J-821X NRSA02J-101X NRSA02J-102X NRSA02J-0ROX NRSA02J-152X NRSA02J-821X	MG R	10kΩ 1/10W J 4.7kΩ 1/10W J 820Ω 1/10W J 100Ω 1/10W J 1kΩ 1/10W J 0.0Ω 1/10W J 1.5kΩ 1/10W J 820Ω 1/10W J	R1229 R1231 R1232 R1233 R1242 R1243 R1244 R1245	ORK126J-181X QRG016J-101 NRSA02J-101X NRSA02J-222X NRSA02J-223X NRSA02J-473X NRSA02J-683X NRSA02J-153X	C R OM R MG R MG R MG R MG R MG R	180Ω 1/2N 100Ω 1M 100Ω 1/10N 2.2kΩ 1/10N 22kΩ 1/10N 47kΩ 1/10N 68kΩ 1/10N 15kΩ 1/10N
R1125-27 R1128 R1131-33 R1134 R1135 R1136 R1137 R1138	NRSA02J-103X NRSA02J-153X NRSA02J-102X NRSA02J-681X NRSA02J-561X NRSA02J-681X NRSA02J-102X NRSA02J-391X	MG R MG R MG R MG R MG R MG R MG R	10k0 1/10k J 15k0 1/10k J 1k0 1/10k J 6600 1/10k J 5600 1/10k J 6800 1/10k J 1k0 1/10k J 3900 1/10k J	R1246 R1247 R1248 R1249 R1250 R1251 R1252 R1253	NRSA02J-103X NRSA02J-473X NRSA02J-273X NRSA02J-103X NRSA02J-222X NRSA02J-333X NRSA02J-222X NRSA02J-333X	MG R MG R MG R MG R MG R MG R MG R	10kΩ 1/10m 47kΩ 1/10m 27kΩ 1/10m 10kΩ 1/10m 2.2kΩ 1/10m 33kΩ 1/10m 2.2kΩ 1/10m 33kΩ 1/10m
R1140 R1141 R1142 R1151 R1152-53 R1154 R1155 R1156	NRSA02J-103X NRSA02J-472X NRSA02J-821X NRSA02J-222X NRSA02J-102X NRSA02J-681X NRSA02J-661X RRSA02J-681X	MG R MG R MG R MG R MG R MG R MG R	10kG 1/10N J 4.7kΩ 1/10N J 820G 1/10N J 2.2kΩ 1/10N J 1kΩ 1/10N J 680G 1/10N J 560Ω 1/10N J 680G 1/10N J	R1254 R1255 R1256 R1257 R1258 R1259 R1260-61 R1262	MRSAOZJ-823X MRSAOZJ-DROX MRSAOZJ-391X MRSAOZJ-823X MRSAOZJ-0ROX MRSAOZJ-391X MRSAOZJ-223X MRSAOZJ-104X	MG R MG R MG R MG R MG R MG R MG R	82kΩ 1/10w 0.0Ω 1/10w 390Ω 1/10w 82kΩ 1/10w 0.0Ω 1/10w 390Ω 1/10w 100kΩ 1/10w
R1157 R1158 R1160 R1161 R1162 R1171 R1172 R1173	MRSA02J-102X MRSA02J-391X MRSA02J-103X MRSA02J-472X MRSA02J-821X MRSA02J-103X MRSA02J-562X MRSA02J-221X	MG R MG R MG R MG R MG R MG R MG R	1KQ 1/10W J 3900 1/10W J 10KO 1/10W J 4.7KQ 1/10W J 8200 1/10W J 10KO 1/10W J 5.6KQ 1/10W J 2200 1/10W J	R1263 R1264 R1265 R1266 R1267-69 R1277-79 R1280 R1281	NRSA02J-222X NRSA02J-333X NRSA02J-222X NRSA02J-333X NRSA02J-750X NRSA02J-750X NRSA02J-223X NRSA02J-223X	MG R MG R MG R MG R MG R MG R MG R	2.2kΩ 1/10W 33kΩ 1/10W 2.2kΩ 1/10W 33kΩ 1/10W 75Ω 1/10W 75Ω 1/10W 22kΩ 1/10W 47kΩ 1/10W
R1174 R1175 R1176 R1177 R1178 R1179 R1201-02 R1203	MRSAG2J-272X MRSAG2J-102X MRSAG2J-392X MRSAG2J-477X MRSAG2J-GROX MRSAG2J-272X MRSAG2J-103X MRSAG2J-750X	NG R NG R NG R NG R NG R NG R NG R	2.7kQ 1/10N J 1kQ 1/10K J 3.9kQ 1/10N J 4.7kQ 1/10N J 0.0Q 1/10N J 2.7kQ 1/10N J 10kQ 1/10N J 75Q 1/10K J	R1282 R1283 R1284 R1285 R1286 R1287 R1288 R1289	NRSAO2J-683X NRSAO2J-153X NRSAO2J-103X NRSAO2J-473X NRSAO2J-273X NRSAO2J-103X NRSAO2J-222X NRSAO2J-333X	MG R MG R MG R MG R MG R MG R MG R	68kΩ 1/10k 15kΩ 1/10k 10kΩ 1/10k 47kΩ 1/10k 27kΩ 1/10k 10kΩ 1/10k 2.2kΩ 1/10k 33kΩ 1/10k
R1204 R1205 R1206 R1207 R1208 R1209 R1210 R1211	QRK1261-151X NRSA02J-101X QRG01GJ-101 NRSA02J-223X NRSA02J-473X NRSA02J-683X NRSA02J-153X NRSA02J-103X	C R MG R OM R MG R MG R MG R MG R	150Q 1/2W J 100Q 1/10W J 100Q 1W J 22KQ 1/10W J 47KQ 1/10W J 68KQ 1/10W J 15KQ 1/10W J 10KQ 1/10W J	R1290 R1291 R1292 R1301 R1302 R1303 R1304 R1305	NRSAO2J-222X NRSAO2J-333X NRSAO2J-471X NRSAO2J-101X NRSAO2J-471X NRSAO2J-101X NRSAO2J-471X NRSAO2J-471X NRSAO2J-221X	MG R	2.2kΩ 1/10w 33kΩ 1/10w 470Ω 1/10w 100Ω 1/10w 470Ω 1/10w 100Ω 1/10w 470Ω 1/10w 220Ω 1/10w
R1212 R1213 R1214 R1215 R1216 R1217 R1218 R1219	NRSAO2J-473X NRSAO2J-273X NRSAO2J-103X NRSAO2J-222X NRSAO2J-333X NRSAO2J-222X NRSAO2J-823X	HG R MG R MG R MG R MG R MG R MG R	47kD 1/10k J 27kD 1/10k J 10kD 1/10k J 2.2kD 1/20k J 33kD 1/10k J 2.2kD 1/10k J 33kD 1/10k J 82kD 1/10k J 82kD 1/10k J	R1306 R1307 R1308 R1309 R1310 R1311 R1312	NRSA02J-271X NRSA02J-101X NRSA02J-471X NRSA02J-101X HRSA02J-271X HRSA02J-221X NRSA02J-271X NRSA02J-101X	MG R MG R MG R MG R MG R MG R MG R	270Ω 1/10N 100Ω 1/10N 470Ω 1/10N 100Ω 1/10N 470Ω 1/10N 220Ω 1/10N 270Ω 1/10N 100Ω 1/10N

	6 . s. 3 . No.	Barra Na	Book Many		Control No.	David No.
Δ.	Symbol No.	Part No.	Part Name	Description	 Symbol No.	Part No.
		STOR				
	R1314-15 R1317-18	NRSA02J-471X NRSA02J-101X	MG R MG R	470Ω 1/10W J 100Ω 1/10W J	R1651 R1652	NRSA02J-27 NRSA02J-83
	R1320	HRSA02J-221X	MG R	220Ω 1/10W J	R1653	NRSA02J-2
	R1323-24	NRSA02J-562X	MG R	5.6kΩ 1/10M J	R1654	NRSA02J-8
	R1326-29 R1330	NRSAO2J-152X NRSAO2J-103X	MG R MG R	1.5kΩ 1/10W J 10kΩ 1/10W J	R1655 R1656-57	NRSAO2J-10 NRSAO2J-23
	R1331	NRSA02J-101X	MG R	100Ω 1/10W j	R1659-60	QRN1433-24
	R1332-33	NRSA02J-471X	MG R	470Ω 1/10W J	R1661	NRSA02J-50
	R1334-35	NRSA02J-152X	MG R	1.5kΩ 1/10W J	R1665	NRSA02J-10
	R1336 R1337	NRSAO2J-101X NRSAO2J-103X	MG R	100Ω 1/10₩ J 10kΩ 1/10₩ J	R1666 R1668	NRSADZJ-68 NRSADZJ-08
	R1338-40	MRSA02J-101X	MG R	100Ω 1/10W J	R1669	MRSAD2J-47
	R1341	NRSADZJ-183X	MG R	18kΩ 1/10W J	R1670	MRSA02J-06
	R1342 R1343-44	NRSAOZJ-823X NRSAOZJ-101X	MG R MG R	82kΩ 1/10₩ J 100Ω 1/10₩ J	R1671 R1682	NRSA02J-27 NRSA02J-10
	R1345-46	NRSA02J-103X	MG R	10kΩ 1/10W J	R1683	MRSA02J-56
	R1347	NRSA02J-562X	MG R	5.6kΩ 1/10W J	R1684	MRSA02J-47
	R1348	WRSA02J-471X	MG R	470Ω 1/10W J	R1685-86	MRSA02J-68
	R1349 R1350	MRSA02J-152X MRSA02J-271X	MG R MG R	1.5kΩ 1/10W J 270Ω 1/10W J	R1687-88 R1703-05	MRSA02J-10 MRSA02J-10
	R1381	NRSA02J-102X	NG R	1kΩ 1/10W J	R1708	NRSA02J-10
	R1382	NRSA02J-152X	MG R	1.5kΩ 1/10W J	R1709	NRSA02J-10
	R1383 R1384	NRSAO2J-822X NRSAO2J-683X	MG R MG R	8.2kΩ 1/10W J 68kΩ 1/10W J	R1710 R1711	NRSAOZJ-82 NRSAOZJ-10
	R1385 R1386	NRSAO2J-273X NRSAO2J-102X	NG R NG R	27kΩ 1/10W J 1kΩ 1/10W J	R1713-14 R1716	NRSA02J-10 NRSA02J-10
	R1387	NRSA02J-683X	MG R	68kΩ 1/10W J	R1718	NRSA023-10
	R1388	NRSA02J-273X	MG R	27kΩ 1/10W J	R1719	NRSA023-10
	R1389 R1390	NRSAOZJ-102X NRSAOZJ-683X	NG R NG R	1kΩ 1/10W J 68kΩ 1/10W J	R1720 R1721-23	NRSA023-10 NRSA023-47
	R1391	NRSA02J-273X	MG R	27kΩ 1/10W J	R1724-26	NRSA021-82
	R1392	NRSA02J-102X	MG R	1kΩ 1/10W J	R1727	NRSA02J-82 NRSA02J-15
	R1395-97	NRSA02J-OROX	MG R	0.002 1/10W J	R1728	NRSA02J-10
	R1398 R1401-02	NRSA02J-101X NRSA02J-682X	MG R MG R	100Ω 1/10W J 6.8kΩ 1/10W J	R1729 R1730	NRSA02J-68 NRSA02J-22
	R1403	MRSA02J-222X	MG R	2.2kΩ 1/10W J	R1731	NRSA02J-56
	R1404	QRX01GJ-1R0	MF R	1.0Ω 1W J	R1732	NRSA02J-10
	R1405 R1406	QRL029J-221 NRSAG2J-222X	OM R MG R	220Ω 2W J 2.2kΩ 1/10W J	R1733	NRSA02J-22 NRSA02J-10
	R1407-08	QRX01GJ-1R5	MF R	1.5Ω 1W J	R1734 R1735-36	MRSA02J-68
	R1409-10	NRSA02J-103X	MG R	10kΩ 1/10W J	R1738	NRSA02J-18
	R1461	NRSA02J-272X	MG R	2.7kΩ 1/10W J	R1739	NRSA02J-33
	R1462 R1463	NRSAO2J-563X NRSAO2J-104X	MG R MG R	56kΩ 1/10W J 100kΩ 1/10W J	R1740 R1742	NRSA02J-10
	R1464	NRSA02J-123X	MG R	12kΩ 1/10W J	R1743	NRSA02J-10 NRSA02J-22
	R1501	NRSA02J-332X	MG R	3.3kΩ 1/10W J	R1744-46	NRSA02J-10
	R1551 R1552	NRSAO2J-100X NRSAO2J-124X	MG R MG R	10Ω 1/10W J 120kΩ 1/10W J	R1747 R1751-52	NRSA023-10
						NRSA023-10
	R1553 R1554	NRSAO2J-683X NRSAO2J-562X	NG R NG R	68kΩ 1/10W J 5.6kΩ 1/10W J	R1753 R1754	NRSA023-47 NRSA023-10
	R1555	MRSA02J-333X	MG R	33kΩ 1/10N J	R1755	NRSA02J-10
	R1556	NRSA02J-472X	MG R	4.7kΩ 1/10N J	R1756-57	NRSA02J-10
	R1557 R1558	NRSA02J-562X NRSA02J-104X	HG R NG R	5.6kΩ 1/10W J 100kΩ 1/10W J	R1758-59 R1760	NRSA02J-22 NRSA02J-10
	R1559	NRSA02J-154X	MG R	150kΩ 1/10N 3	R1761-65	NRSA02J-22
	R1560	NRSA02J-100X	MG R	10Ω 1/10W J	R1766	NRSADZJ-10
		QRN143J-OROX	C R	0.0Ω 1/4W J	R1767	NRSA02J-10
		NRSA02J-103X NRSA02J-104X	MG R MG R	10kΩ 1/10W J 100kΩ 1/10W I	R1768	NRSA02J-82
		NRSA02J-272X	MG R	100kΩ 1/10W J 2.7kΩ 1/10W J	R1770 R1771	NRSA02J-10 NRSA02J-39
	R1604	MRSA02J-563X	MG R	56kΩ 1/10W J	R1772-74	NRSA02J-10
		MRSA02J-122X	MG R	1.2kΩ 1/10W J	R1775-76	NRSA02J-56
		NRSA02J-472X NRSA02J-272X	MG R MG R	4.7kΩ 1/10W J 2.7kΩ 1/10W J	R1777 R1778	NRSA02J-22 NRSA02J-10
	R1609	NRSA02J-563X	MG R	56kΩ 1/10W J	R1779	NRSA02J-33
	R1610	NRSA02J-152X	MG R	1.5kΩ 1/10W J	R1780	NRSA02J-10
	R1611 R1612	NRSA02J-OROX NRSA02J-561X	NG R NG R	0.0Ω 1/10N J 560Ω 1/10N J	R1791	NRSA02J-10
			MG R	12kΩ 1/10W J	R1792 R1793	NRSA02J-10 NRSA02J-10
	R1615	NRSA02J-681X	MG R	680Ω 1/10₩ J	R1794	NRSA02J-15
		NRSA02J-102X NRSA02J-OROX	MG R MG R	1kΩ 1/10₩ J	R1797	NRSA02J-10
	W1011-10	HIVOUNT 1 - NUMBER	iig n	0.0Ω 1/10W J	R1820	NRSA02J-33

	∆ Symbol Ho.	Part No.	Part Name	Description	
	RESI	STOR			
	R1651	NRSA023-223X	MG R	22kΩ 1/10₩ J	
	R1652	NRSA02J-822X	HG R	8.2kΩ 1/10W J	
	R1653	NRSA02J-223X	NG R	22kΩ 1/10₩ J	
	R1654 R1655	NRSAO2J-822X NRSAO2J-104X	MG R MG R	8.2kΩ 1/10W J 100kΩ 1/10W J	
	R1656-57	NRSA02J-223X	MG R	22kΩ 1/10W J	
	R1659-60 R1661	QRN1433-2R2X NRSA023-561X	C R MG R	2.2Ω 1/4N J 560Ω 1/10N J	
	R1665	NRSA02J-104X	MG R		
	R1666	NRSA02J-682X	ne k MG R	100kΩ 1/10W J 6.8kΩ 1/10W J	
	R1668	NRSA02J-OROX	MG R	0.0Ω 1/10W J	
	R1669 R1670	HRSAD2J-473X Hrsad2J-Orox	MG R MG R	47kΩ 1/10W J 0.0Ω 1/10W J	
	R1671	MRSA02J-273X	MG R	27kΩ 1/10W J	
	R1682 R1683	NRSAG2J-103X NRSAG2J-562X	MG R MG R	10kΩ 1/10W J 5.6kΩ 1/10W J	
	R1684	NRSA02J-473X	MG R	47kΩ 1/10W J	
	R1685-86	MRSA02J-681X	NG R	680Ω 1/10W J	
	R1687-88 R1703-05	MRSAO2J-103X Mrsao2J-102X	NG R NG R	10kΩ 1/10W J 1kΩ 1/10W J	
	R1708	NRSA02J-102X	MG R	1kΩ 1/10W J	
	R1709 R1710	NRSAO2J-103X NRSAO2J-821X	NG R	10kΩ 1/10W J 820O 1/10W 1	
	R1711	MRSA02J-021X	MG R	820Ω 1/10W J 1kΩ 1/10W J	
	R1713-14	NRSA02J-103X	MG R	10kΩ 1/10W J	
	R1716	NRSA02J-103X	MG R	10kΩ 1/10W J	
	R1718 R1719	NRSAO2J-102X NRSAO2J-101X	MG R MG R	1kΩ 1/10W J 100Ω 1/10W J	
i	R1720	NRSA02J-102X	MG R	1kΩ 1/10W J	S
	R1721-23	NRSA02J-472X	MG R	4.7kΩ 1/10W J	3
	R1724-26 R1727	NRSAO2J-821X NRSAO2J-153X	MG R MG R	820Ω 1/10W J 15kΩ 1/10W J	V-28WFX1EUG/EUS
	R1728	NRSA02J-103X	MG R	10kΩ 1/10₩ J	温
	R1729	NRSA02J-683X	NG R	68kΩ 1/10W J	×
	R1730 R1731	NRSAOZJ-223X NRSAOZJ-562X	MG R MG R	22kΩ 1/10W J 5.6kΩ 1/10W J	15
	R1732	NRSA02J-103X	MG R	10kΩ 1/10W J	8
	R1733 R1734	NRSA02J-222X NRSA02J-103X	MG R MG R	2.2kΩ 1/10W J 10kΩ 1/10W J	ž
	R1735-36	NRSA02J-682X	MG R	6.8kΩ 1/10W J	
	R1738	NRSA02J-183X	MG R	18kΩ 1/10W J	
	R1739	NRSA02J-331X	MG R	330Ω 1/10W J	
	R1740 R1742	NRSAO2J-103X NRSAO2J-103X	MG R MG R	10kΩ 1/10W J 10kΩ 1/10W J	
	R1743	NRSA023-222X	MG R	2.2kΩ 1/10W J	
1	R1744-46 R1747	NRSAO2J-103X NRSAO2J-102X	MG R MG R	10kΩ 1/10W J 1kΩ 1/10W J	
	R1751-52	NRSA02J-103X	MG R	10kΩ 1/10W J	
	R1753	NRSA02J-472X	MG R	4.7kΩ 1/10W J	
i	R1754 R1755	NRSA02J-103X	MG R	10kΩ 1/10W J	
1	R1756-57	NRSA02J-472X NRSA02J-103X	MG R MG R	4.7kΩ 1/10W J 10kΩ 1/10W J	
	R1758-59	NRSA02J-221X	MG R	220Ω 1/10W J	
	R1760 R1761-65	NRSAO2J-102X NRSAO2J-221X	MG R MG R	1kΩ 1/10W J 220Ω 1/10W J	
	R1766	NRSA02J-103X	MG R	10kΩ 1/10W J	
	R1767	NRSA02J-104X	MG R	100kΩ 1/10W J	
	R1768 R1770	NRSA02J-823X	MG R	82kΩ 1/10W J	
	R1771	NRSAO2J-103X NRSAO2J-392X	MG R MG R	10kΩ 1/10W J 3.9kΩ 1/10W J	
	R1772-74 R1775-76	NRSA02J-103X NRSA02J-563X	MG R MG R	10kΩ 1/10₩ J	
	R1777	NRSA02J-223X	MG R	56kΩ 1/10W J 22kΩ 1/10W J	
į	R1778	NRSA02J-103X	MG R	10kΩ 1/10W J	
l	R1779	NRSA02J-333X	HG R	33kΩ 1/10W J	
I	R1780 R1791	NRSA02J-104X NRSA02J-103X	MG R	100kΩ 1/10W J 10kΩ 1/10W J	
	R1792	NRSA02J-101X	MG R	100Ω 1/10W J	
	R1793 R1794	NRSA02J-102X	MG R MG R	1kΩ 1/10W J	
	R1797	NRSAO2J-152X NRSAO2J-102X	MG R	1.5kΩ 1/10W J 1kΩ 1/10W J	
	R1820	NRSA02J-332X	MG R	3.3kΩ 1/10W J	
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Symbol No.	Part No.	Part Name	Description
RES:	STOR		
R1880-82 R1883 R1884-36 R1888-89 R1890 R1891 R1892-96 R1897	NRSAG1 - 102X NRSAG1 - 473X NRSAG1 - 103X NRSAG1 - 103X NRSAG1 - 221X NRSAG1 - 273X NRSAG1 - 221X QRG025 - 220	NG R NG R NG R NG R NG R NG R OM R	IKΩ 1/10M J 47kΩ 1/10M J 10kΩ 1/10M J 10kΩ 1/10M J 220Ω 1/10M J 27kΩ 1/10M J 220Ω 1/10M J 22 Ω 2W J
R1901 R1902 R1903 R1904 R1905	NRSAOI - 101X NRSAOI - 223X NRSAOI - 472X HRSAOI - 223X HRSAOI - 102X	MG R MG R MG R MG R	100Ω 1/10M J 22kΩ 1/10M J 4.7kΩ 1/10M J 22kΩ 1/10M J 1kΩ 1/10M J
CAPA	ACITOR		
C1001 C1002 C1003 C1004 C1005 C1006 C1007 C1008	MCB21-<-104X QETM1-M-1077 MCB21-<-104X QETM1-M-107Z MCB21-<-104X QETM1-M-227Z MCB21-<-227Z MCB21-<-222X QETM1-M-106Z	CHIP CAP. E CAP. CHIP CAP. E CAP. CHIP CAP. E CAP. C CAP. C CAP. E CAP.	0.1µF 50V K 100µF 50V M 0.1µF 50V K 100µF 16V M 0.1µF 50V K 220µF 16V M 2200PF 50V K 10µF 50V M
C1101-02 C1103 C1104 C1105 C1106 C1107 C1108 C1109	QETNICN-107Z NDC21#J-181X QETN1EN-476Z QENC1#N-474Z QETN1-N-106Z QETN1AN-227Z NDC21#J-120X NDC21#J-470X	E CAP. C CAP. E CAP. BP. E CAP. E CAP. C CAP. C CAP.	100µF 16V M 180pF 50V J 47µF 25V M 0.47µF 50V M 10µF 50V M 220µF 10V M 12pF 50V J 47pF 50V J
C1110 C1121-22 C1123 C1124-25 C1128 C1129 C1130 C1131	MDC219J-22OX MCB21HK-103X QETN1EM-476Z MCB21HK-103X QETN1CM-107Z MCB21HK-103X QETN1EM-476Z MCB21HK-103X QETN1EM-476Z	C CAP. C CAP. E CAP. C CAP. E CAP. E CAP. C CAP. E CAP.	22pF 50V J 0.01uF 50V K 47uF 25V M 0.01uF 50V K 100uF 16V M 47uF 25V M 0.01uF 50V K 47uF 25V M
C1132 C1134 C1135 C1136-39 C1140 C1141 C1151 C1152	NCB21HK-103X NCB21HK-103X NDC21HJ-181X NCB21HK-103X QETN1EM-476Z NCB21HK-103X QETN2M-227Z NCB21HK-103X	C CAP. C CAP. C CAP. C CAP. E CAP. E CAP. E CAP. C CAP.	0.01µF 50V K 0.01µF 50V K 180pF 50V J 0.01µF 50V K 47µF 25V M 0.01µF 50V K 220µF 10V M 0.01µF 50V K
C1153 C1155 C1156 C1157 C1161 C1163 C1171 C1171	QETNIAN-107Z QETNISN-476Z NDC21HJ-270X NDC21HJ-220X QETNISH-476Z QETNISH-476Z NDC21HJ-221X NDC21HJ-560X	E CAP. E CAP. C CAP. C CAP. E CAP. E CAP. C CAP. C CAP.	100µF 10V M 47µF 25V M 27pF 50V J 22pF 50V J 47µF 25V M 47µF 25V M 220pF 50V J 56pF 50V J
C1173 C1174 C1192 C1193 C1201 C1202 C1203-04 C1205-06	NDC2143-221X NDC2143-121X QETN1CM-227Z NCB214K-103X QETN1CM-227Z NCB214K-102X QETN14A-105Z QETN14A-105Z QETN14A-106Z	C CAP. C CAP. E CAP. C CAP. E CAP. E CAP. E CAP. E CAP.	220pF 50V J 120pF 50V J 220pF 16V M 0.01pF 50V K 220pF 16V M 1000pF 50V M 10pF 50V M
C1207 C1211 C1212-13 C1214-15 C1216-17 C1218-19 C1220 C1221-22	QETNICM-227Z NCB2:HK-102X QETNI:HI-105Z QETNI:HI-105Z QETNI:HI-105Z QETNI:HI-105Z QETNI:HI-105Z QETNI:HI-105Z QETNI:CH-107Z	E CAP. C CAP. E CAP. E CAP. E CAP. E CAP. E CAP. E CAP.	220µF 16V M 1000pF 50V K 1µF 50V M 10µF 50V M 1µF 50V M 47µF 25V M 1µF 50V M 100µF 16V M

Symbol No.	Part No.	Part Name	Description
CAP	CITOR		
C1223-24	QETNIHM-105Z	E CAP. E CAP. C CAP. E CAP. E CAP. CHIP CAP. E CAP. E CAP. E CAP. BP E CAP. E CAP.	1uF 50V M
C1231-33	QETNIEM-476Z		47uF 25V M
C1234	NCBZIHK-10ZX		10000F 50V K
C1301	QETNICM-227Z		220µF 16V M
C1302	NCBZIHK-104X		0.1uF 50V K
C1303	QETNIEM-476Z		47uF 25V M
C1304	QENCICM-476Z		47uF 16V M
C1305	QETNIHM-226Z		22µF 50V M
C1306 C1307-08 C1309 C1311-13 C1314 C1315 C1316 C1317	NCB21HK-223X QENCIHH-105Z NOC21HJ-390X NCB21HK-104X NCB21HK-222X NCB21HK-222X NCB21CK-474X NCB21HK-104X NCB21HK-104X	C CAP. BP E CAP. C CAP. CHIP CAP. C CAP. C CAP. C CAP. C CAP. CHIP CAP.	0.022µF 50V K 1µF 50V M 390F 50V J 0.1µF 50V K 2200pF 50V K 0.47µF 16V K 0.1µF 50V K
C1318 C1319 C1320 C1321-22 C1323 C1325-26 C1327 C1328-32	NCB21HK-104X NCB21HK-332X NCB21HK-104X NDC21HJ-150X NCB21HK-104X NCB21HK-104X NCB21HK-104X QETN1CH-227Z NCB21HK-104X	CHIP CAP. C CAP. CHIP CAP. C CAP. C CAP. C CAP. CHIP CAP. CHIP CAP. E CAP. CHIP CAP.	0.1µF 50V K 3300pF 50V K 0.1µF 50V K 15pF 50V J 0.1µF 50V K 2.1µF 50V K 2.20µF 16V M
C1333	MCF21CZ-105X	C CAP.	1µF 16V 2
C1342-44	MDC21HJ-220X	C CAP.	22pF 50V J
C1345	MDC21HJ-121X	C CAP.	12ppF 50V J
C1362	MDC21HJ-30X	C CAP.	33pF 50V J
C1363-65	QETM1HH-106Z	E CAP.	10µF 50V M
C1366	MDC21HJ-180X	C CAP.	18pF 50V J
C1387-88	QETM1EH-476Z	E CAP.	47µF 25V M
C1389-90	QETM0JH-228Z	E CAP.	2200µF 6.3V M
C1392	NDC21HJ-680X	C CAP. CHIP CAP. N CAP. CHIP CAP. CHIP CAP. E CAP. E CAP. E CAP. HF CAP.	680F 50V J
C1396-98	NCB21HK-104X		0.1µF 50V K
C1403	QFLC2AJ-104Z		0.1µF 100V K
C1404	NCB21HK-104X		0.1µF 50V K
C1405	NDC21HJ-820X		82pF 50V J
C1406	QETH1VM-108		1000µF 35V M
C1408	QETH1VM-337Z		330µF 35V M
C1409-10	QFV71HJ-474Z		0.47µF 50V J
C1412	QFLC2AJ-104Z	H CAP. E CAP. C CAP. E CAP. C CAP. C CAP. E CAP. C CAP. C CAP.	0.1µF 100V J
C1417-18	QETN1CM-108Z		1000µF 16V M
C1419	MC821HK-68ZX		6800pF 50V K
C1461	QETN1HH-226Z		22µF 50V M
C1551-52	MCB21CK-224X		0.22µF 16V K
C1553	QETN1EH-476Z		47µF 25V M
C1554-55	MCB21CK-224X		0.22µF 16V K
C1601-02	QBC31HJ-2ROZ		2.0pF 50V J
C1603-04 C1605-06 C1607-08 C1613-14 C1615 C1616-18 C1619 C1620	MCB21HK-103X QETN1HM-106Z MCF21EZ-104X HDC21HJ-471X MCF21EZ-104X QETN1HM-106Z MCF21EZ-104X QETN1HM-106Z	C CAP. E CAP. C CAP. C CAP. C CAP. E CAP. E CAP. E CAP. C CAP.	0.01µF 50V K 10µF 50V M 0.1µF 25V Z 470pF 50V J 0.1µF 25V Z 10µF 50V Z 10µF 50V M
C1621-24	MCB21HK-102X	C CAP. E CAP. C CAP. E CAP.	1000pF 50V K
C1625-26	MDC21HJ-391X		390pF 50V J
C1627-28	MCB21HK-102X		1000pF 50V K
C1629	MCB21HK-103X		0.01µF 50V K
C1630	MCF21EZ-104X		0.1µF 25V Z
C1631	QETM1CH-107Z		100µF 165V Z
C1632	MCF21EZ-104X		1µF 25V Z
C1633-34	QETM1HH-105Z		1µF 50V M
C1635	WEB21HK-562X	C CAP. E CAP. C CAP. E CAP. E CAP. E CAP. E CAP. C CAP. C CAP.	5600pF 50V K
C1636	QETW1CM-107Z		100uF 16V H
C1637-38	WDC21HJ-221X		220pF 50V H
C1639-40	QETW1HM-106Z		10uF 50V H
C1641	QETW1EM-476Z		47uF 25V M
C1642	WGB21HK-562X		5600pF 50V K
C1643	QETW1HM-105Z		1uF 50V M
C1644-45	NDC21HJ-470X		47pF 50V J
C1646	NDC21HJ-820X	C CAP.	82pF 50V J

Symbol No.	Part No.	Part Name	Description
CAP	ACITOR	۲	
C1647	NCB21HK-472X	C CAP	4700pF 50V K
C1648	NDC21HJ-180X	C CAP. C CAP.	4700pF 50V K 18pF 50V J
C1652-53	QETN1HM-105Z	E CAP.	1µF 50V M
C1654	QETN1HM-107Z	E CAP.	100µF 50V M
C1655	QETNIHM-106Z	E CAP.	10uF 50V M
C1656-57 C1658	NCF21HZ-224X QETM1HM-228	C CAP. E CAP.	0.22µF 50V Z
C1661-62	NCF21HZ-224X	C CAP.	2200µF 50V M 0.22µF 50V Z
C1663-64	QETH1VM-108	E CAP.	1000µF 35V M
C1667 C1676-77	QETN1CM-227Z NCB21HK-103X	E CAP. C CAP.	220µF 16V M 0.01uF 50V K
C1679	QETN1HM-474Z	E CAP.	0.01µF 50V K 0.47µF 50V M
C1682	OETN1CM-227Z	E CAP.	220uF 16V N
C1701	NDC21HJ-471X	E CAP. C CAP. C CAP.	470aF 50V J
C1702 C1703	NCB21HK-682X NCB21HK-104X	C CAP. CHIP CAP.	6800pF 50V K 0.1μF 50V K
(1/0)	MCD21IIK-104X		υ.τμε 300 κ
C1704	QETNIAM-227Z	E CAP. C CAP.	220µF 10V M
C1705-06 C1707	NOC21HJ-9ROX NCB21HK-104X	C CAP. CHIP CAP.	9.0pF 50V J
C1707	NCB21HK-333X	C CAP.	0.1µF 50V K 0.033µF 50V K
C1709	NCB21HK-104X	CHIP CAP.	0.033µF 50V K 0.1µF 50V K
C1710	QETN1EM-476Z	E CAP.	47µF 25V M
C1711	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
C1714	QETN1HM-474Z	E CAP.	0.47µF 50V M
C1715	QETN1EM-476Z	E CAP.	47μF 25V M
C1717	QETN1HM-106Z NDC21HJ-471X	E CAP.	10µF 50V M
C1718	HDC21HJ-471X	C CAP.	470pF 50V J
C1719 C1720	MCF21CZ-105X MCB21HK-102X	C CAP.	1µF 16V Z 1000pF 50V K
C1757	NCS21HJ-471X	C CAP. C CAP.	470pF 50V J
C1758	QETN1AN-227Z	E CAP.	220µF 10V M
C1759	NCB21HK-104X	CHIP CAP.	0.1μF SOV K
C1760-61	NOC21HJ-150X	C CAP.	1SpF 50V J
C1762	NC821HK-104X	CHIP CAP.	0.1µF 50V K
C1763	QETN1EM-476Z	E CAP.	47μF 25V M
C1764 C1766-68	NCB21HK-104X NCB21HK-104X	CHIP CAP. CHIP CAP.	0.1µF 50V K
C1774	MDC21HJ-151X	C CAP	0.1μF 50V K 150pF 50V J
C1776-77	MCB21HK-104X	CHIP CAP. CHIP CAP.	0.1µF 50V K
C1780	MCB21HK-104X	CHIP CAP.	0.1µF 50V K
C1781	MOC21HJ-101X	C CAP.	100pF 50V J
C1782	NCB21HK-102X	C CAP.	1000pF 50V K
C1783	NDC21HJ-151X	C CAP.	150pF 50V J
C1784 C1785	QETN1CH-2272 NCB21HK-102X	E CAP. C CAP.	220µF 16V M 1000pF 50V K
C1901	QETN1CM-107Z	C CAP. E CAP.	100µF 16V M
C1902	QETNIHM-106Z	E CAP.	10µF 50V M
TDA	NSFORM		
T1101	CE42697-001		
T1111 T1121	CE42697-001 CE42697-001	LOWPASS FILTER LOWPASS FILTER LOWPASS FILTER	
	CT4T031-00I	FORENCE LITTLEY	
COIL	_		
L1001-02	AGE 619V - 9937	DEAVINE CATI	9.1.0
L1001-02	QQL01BX-8R2Z QQL01BX-221Z	PEAKING COIL PEAKING COIL	8.2µН 220µН
£1004	QQL018K-5R6Z	PEAKING COIL	5.6µH
L1101	QRW143J-OROX	C R	0.0Ω 1/4₩ J
L1102-05 L1106	QQL038J-220Z QQL038J-270Z	PEAKING COIL PEAKING COIL	22µH
L1111	QQL038J-220Z	PEAKING COIL	27µН 22µН
L1121	QQL038J-330Z	PEAKING COIL PEAKING COIL	33µH
L1301	001 01 BV 3002		
L1301 L1302	QQLO18K-390Z NQLO24J-5R6X	PEAKING COIL COIL	39µH
L1601-02	QRN143J-OROX	C R	5.6μH 0.0Ω 1/4W J
	QQL018K-100Z	PEAKING COIL	10uH
	QQL018J-180Z	PEAKING COIL	18µH
L1604	33		
L1604 L1605	QQL018J-220Z	PEAKING COIL	22µH
L1603 L1604 L1605 L1606-07 L1701	QQL018J-220Z QQL018K-5R6Z QQL018K-331Z	PEAKING COIL PEAKING COIL PEAKING COIL	22µH 5.6µH 330µH

Symbol No.	Part No.	Part Name	Description
L1702 L1752 L1753	 QQL018K-3R9Z QRN143J-0R0X QQL01BK-4R7Z	PEAKING COIL C R PEAKING COIL	3.9μH 0.0Ω 1/4W J 4.7μH
DIO	DE .		
01201-11 01214-15 01402 01403-04 01461 01462 01502 01504	MA3130/H/-X MA3130/H/-X BYD33D-T3 MA3330/L/-X HA111-X MA3220/H/-X MA111-X MA111-X	ZENER BIODE ZENER DICDE SI.DIODE ZENER DIODE SI.DIODE ZENER DIODE SI.DIODE ZENER DIODE SI.DIODE SI.DIODE SI.DIODE	
D1601 01653-54 01657 D1658 D1660 01661 D1664 D1669	MA3062/M/-X HA3330/L/-X HA111-X HA153A-X HA111-X HA153A-X HA111-X HA152WK-X	ZENER DIODE ZENER DIODE SI.DIODE SI.DIODE SI.DIODE SI.DIODE SI.DIODE SI.DIODE SI.DIODE	
01670 01701-02 01704 01708 01709 01712 01753 01754	HA111-X HA111-X 1SS244-T2 HA111-X HA3068/M/-X HA111-X HA111-X HA3062/M/-X	SI.DIODE SI.DIODE SI.DIODE SI.DIODE SI.DIODE ZENER DIODE SI.DIOOE SI.DIOOE ZENER OIODE	
01771-76 01901	MA3056/M/-X MA3130/H/-X	ZEMER DIODE ZEMER DIODE	
TRAN	ISISTO	R	
01101-04 01111 01112 01113-14 01121 01122 01123-24 01131-32	2SC2412K/QR/-X 2SC2412K/QR/-X 2SA1037AK/QR/-X 2SC2412K/QR/-X 2SC2412K/QR/-X 2SC2412K/QR/-X 2SC2412K/QR/-X 2SC2412K/QR/-X	SI.TRANSISTOR	
01201-02 01203 01204-05 01206-07 01208 01209 01211 01213-14	25C2712/YG/-X 25C1815/YG/-T 25C2712/YG/-X 0TC323TX-X 25A1162/YG/-X 25A1015/YG/-T 25A105/YG/-X 25C2712/YG/-X	SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR DIGI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR	
Q1215-16 Q1217 Q1220-21 Q1303-04 Q1305 Q1345 Q1346 Q1351	DTC323TK-X 25A1162/YG/-X 25C2712/YG/-X 25A1162/YG/-X 25C2712/YG/-X DTC124EKA-X 25C2712/YG/-X DTC124EKA-X	DIGI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR DIGI.TRANSISTOR DIGI.TRANSISTOR DIGI.TRANSISTOR	
Q1381-83 Q1461-62 Q1601 Q1602 Q1603 Q1651 Q1652-53 Q1657	25C2712/YG/-X 25C2712/YG/-X 0TC323TK-X 25A1162/YG/-X 25C2712/YG/-X 25C2712/YG/-X 25C2712/YG/-X 25C2712/YG/-X	SI.TRANSISTOR SI.TRANSISTOR DIGI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR OIGI.TRANSISTOR DIGI.TRANSISTOR	
01659-60 01701-08 01709 01752	25A1162/YG/-X 25C2712/YG/-X 25A1162/YG/-X 25A1162/YG/-X	SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR	

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Part No.	Part Name	Description
TC9090AN CXA1545AS TDA9143/N3 TDA4665/V5 LA7016 LA7841 LA6515 KSP3410D-PP-C5	I.C. (DIGI-MDS) I.C. (MONO-ANA)	
BA4558F-X TA8246AH M37280MK-105SP L78LROSE-MA AT24C16-32WFX1 SDA5275S HSM514400D-60ZS	I.C(MONG-AMA) I.C.(HYBRID) I C I C I.C. I.C.(MICRO-PROC) I.C.(D-RAM)	(SERVICE)
ERS		
QGF1216C1-25 QGB2004P2-35 QMN0296-001 QRN143J-0R0X QRN143J-0R0X QQR0621-002Z QQR0621-002Z QQR0621-002Z	FFC COMMECTOR HQF PLUG PIN JACK C R C R BEADS CORE BEADS CORE BEADS CORE	0.0Ω 1/4W J 0.0Ω 1/4W J
CE42142-2227 CE42142-1032 CEEK481-A04 MRSA02J-OROX CE40749-0012 CE40668-0012 CE42546-0017 CST8.00HTW	EMI FILTER EMI FILTER TUNER MG R CRYSTAL CRYSTAL CRYSTAL CRYSTAL CRYSTAL	0.0Ω 1/10W J
QAX0351-001Z NRSA02J-ORDX NRSA02J-OROX NRSA02J-OROX NRSA02J-OROX HRSA02J-OROX NRSA02J-OROX NRSA02J-OROX	CRYSTAL NG R - NG R NG R NG R NG R NG R	0.00 1/10N J 0.00 1/10N J 0.00 1/10N J 0.00 1/10N J 0.00 1/10N J 0.00 1/10W J 0.00 1/10N J
	Part No. 1C9090AN CX41345AS TDA4665/V5 LA7841 LA7016 LA7841 LA7016 LA7841 LA5515 KSF34100-PP-C5 BA4558F-X TA2246AF M37200K-1055P T781005-PA AT74(16-32WX1 D045755 KSR5144000-6025 ERS G671218C1-25 G671218C1-25 G671218C1-25 G682004P2-35 OWN0296-001 G682004P2-35 OWN0296-001 G682004P2-35 OWN0296-001 G682004P2-35 CWN0296-001 G88201-002 G88201-002 G88201-002 G88201-002 G88201-002 KRS021-002	Part No.

NRSAO2J-OROX NRSAO2J-OROX NRSAO2J-OROX NRSAO2J-OROX

Y1657-58 Y1661-62 Y1701-03 Y1750-53 NG R NG R NG R 0.0Ω 1/10W J 0.0Ω 1/10W J 0.0Ω 1/10W J 0.0Ω 1/10W J

Δ	Symbol No.	Part No.	Part Name	Description
_	RES	STOR		
	R2451 R2455 R2456 R2457 R2458 R2459 R2461 R2463	QRE141J-272Y QRE141J-102Y QRE141J-473Y QRE141J-103Y QRA14CF-1002Y QRE141J-391Y QRE141J-102Y QRG029J-820	CR CR CR CR CR CR CR OMR	2.7kΩ 1/4k j 1kΩ 1/4k j 47kΩ 1/4k j 10kΩ 1/4k j 10kΩ 1/4k j 390Ω 1/4k j 1kΩ 1/4k j 82 Ω 2k j
	R2464 R2465 R2468 R2470 R2501 R2502 R2503 R2504	QRX01GJ-2R2 QRE141J-103Y QRE141J-393Y QRE141J-103Y QRE141J-471Y QRE141J-123Y QRE141J-152Y QRE039J-272	MF R C R C R C R C R C R C R OM R	2.7Ω 1M J 10kΩ 1/4M J 39kΩ 1/4M J 10kΩ 1/4M J 470Ω 1/4M J 12kΩ 1/4M J 1.5kΩ 1/2M J 2.7kΩ 3M J
A	R2505 R2506 R2507 R2509 R2510 R2511 R2522 R2551	QRGG39J-332 QRE121J-5R6Y QRC121K-152Z QRE141J-563Y QRE141J-333Y QRE141J-102Y QRE121J-471Y QRZ9017-4R7	OM R C R COMP.R C R C R C R C R	3.3kQ 3H J 5.6Q 1/2H J 1.5kQ 1/2H J 56kQ 1/4H J 33kQ 1/4H J 1kQ 1/4H J 470Q 1/2H J 4.7Q 1/4H J
Δ Δ	R2552 R2553 R2554 R2555 R2557 R2561 R2574 R2575	QRZ9021-1R0 QRZ9021-1R0 QRE141J-332Y QRE141J-822Y QRE121J-272Y QRZ0056-103Z QRG029J-220 QRE121J-123Y	FUSI.RESISTOR FUSI.RESISTOR C R C R C R C OMP.R OM R C R	1 Ω 1N J 1 Ω 1M J 3.3kΩ 1/4N J 8.2kΩ 1/2M J 2.7kΩ 1/2M J 18kΩ 22 Ω 2M J 12kΩ 1/2M J
	R2581 R2582 R2583 R2584 R2585 R2586 R2587 R2588	QRF154K-4R7 QRE141J-681Y QRE121J-682Y QRE141J-183Y QRE141J-222Y QRA14CF-7501Y QRA14CF-2201Y QRE141J-103Y	UNFR CR CR CR CR RFR CR MFR CR	4.7Ω 15M N 680Ω 1/4M J 6.8kΩ 1/2M J 18kΩ 1/4M J 2.2kΩ 1/4M J 7.5kΩ 1/4M J 2.2kΩ 1/4M J 10kΩ 1/4M J
Δ	R2901 R2902 R2903-04 R2905 R2906 R2907 R2908 R2909	QRF104K-3R9 QRE121J-331Y QRE121J-474Y QRL039J-823 QRG039J-683 QRZ9017-4R7 QRE121J-152Y QRT029J-R39	UNF R C R C R OM R OM R F R C R MF R	3.9Ω 10N B 330Ω 1/2N J 470kΩ 1/2N J 82kΩ 3N J 68kΩ 3N J 4.7Ω 1/4N J 1.5kΩ 1/2N J 0.39Ω 2N J
	R2910 R2911 R2912 R2913 R2923 R2951 R2952 R2953	QRMO59J-R22 QRE121J-681Y QRE121J-332Y QR(039J-823 QRE121J-102Y QRF074J-102 QRG029J-103 QRG029J-183	MP R C R C R OM R C R UNF R OM R	0.22Ω 5W 680Ω 1/2W 3.3KΩ 1/2W 82KΩ 3M 1KΩ 1/2W 1KΩ 7W 10KΩ 2W 18Ω 2W
	R2954 R2955 R2956 R2957 R2960 R2961 R2962 R2963	QRE141J-330Y QRE141J-681Y QRX029J-R47 QRG029J-100 QRE141J-153Y QRE141J-153Y QRE141J-682Y	C R C R MF R OM R C R C R C R	33Ω 1/4M 680Ω 1/4M 0.47 Ω 2M 10 Ω 2M 15 Ω 1/4M 1.8 Ω 1/4M 15 ΚΩ 1/4M 6.8 ΚΩ 1/4M
	R2968 R2969 R2970 R2971 R2983 R2984 R2985-86	QRE141J-103Y QRE141J-682Y QRE141J-822Y QRE141J-682Y QRE141J-122Y QRE141J-104Y ORE141J-103Y	C R C R C R C R C R C R	10kΩ 1/4k/ 6.8kΩ 1/4k/ 8.2kΩ 1/4k/ 6.8kΩ 1/4k/ 1.2kΩ 1/4k/ 100kΩ 1/4k/

Δ	Symbol No.	Part No.	Part Name	Description
	RES	STOR		
Δ	R2987 R2991	QRE121J-680Y QRZ0057-825	C R C R	68Ω 1/2W J 8.2MΩ 1W J
-	CAP	ACITOR		
	C2451 C2452 C2453 C2454 C2455 C2456 C2457 C2458	QCS31HJ-470Z QFY71HJ-104Z QETM1EM-476Z QETM1HM-106Z QFLC1HJ-102Z QFM72DJ-152Z QFM72DJ-152Z QEZ047Z-106Z	C CAP. MF CAP. E CAP. E CAP. H CAP. H CAP. H CAP. E CAP.	47pF 50V J 0.1µF 50V J 47µF 25V M 10µF 50V M 1000pF 50V J 1500pF 200V J 1500pF 200V J 10µF 250V M
Δ	C2459 C2460 C2461 C2501 C2502 C2503 C2521 C2522	QCZ0126-104Z QFP31HJ-272Z QFLC1HJ-182Z QCB32HK-331Z QFM72DK-103 QFV71HJ-224Z QFZ0122-112 QFZ0200-123	C CAP. PP CAP. H CAP. C CAP. H CAP. H CAP. HF CAP. HF CAP. HPP CAP.	0.1µF 25V Z 2700pF 50V J 1800pF 50V J 330pF 500V K 0.01µF 200V K 0.22µF 50V J 1100pF1.8kVH ±3% 0.012µF1.5kVH ±3%
Δ	C2523 C2524 C2525 C2526 C2527 C2528 C2529 C2530	QFM72DK-393 QFP32GJ-223 QFZ0194-914 QFZ0199-104 QFZ0199-104 QFZ0199-104 QCB32HK-561Z QFZ0194-154	M CAP. PP CAP. MPP CAP. MPP CAP. MPP CAP. C CAP. MPP CAP. MPP CAP. MPP CAP.	0.039µF 200V K 0.022µF 400V J 0.91µF 250V J 0.1µF 250V J 0.15µF 250V J 560pF 500V K 0.15µF 250V J
	C2532 C2551 C2552 C2553 C2554 C2555 C2556 C2557	QETM2CH-227 QCB32HK-1522 QETM1CH-1082 QCB32HK-1527 QETM1CH-1082 QENC1HH-2252 QCB32HK-1022 QETM2EH-1062	E CAP. C CAP. E CAP. C CAP. E CAP. E CAP. C CAP. BP E CAP. C CAP. E CAP.	220µF 160V M 1500pF 500V K 1000µF 16V M 1500pF 500V K 1000µF 16V M 2.2µF 50V M 1000pF 500V K 10µF 250V M
A	C2565 C2581 C2582 C2583 C2584 C2585 C2901 C2902	QFLC2AJ-273Z QETN1CM-107Z QETN1EM-476Z QETN2AM-106Z QETN1AM-227Z QFZ0194-534 QFZ9040-473 QCZ9054-472	M CAP. E CAP. E CAP. E CAP. E CAP. HPP CAP. HF CAP. C CAP.	0.027µF 100V J 100µF 16V M 47µF 25V M 10µF 100V M 220µF 10V M 0.53µF 250V J 0.047µFAC275V M 4700pFAC250V Z
A	C2903 C2904 C2905 C2906 C2907 C2908 C2909 C2910	QCZ9054-472 QCZ9054-472 QEZ0199-227 QCB32HK-103 QCZ0122-391 QETN1HH-476Z QCB31HK-182Z QCZ0122-561	C CAP. C CAP. E CAP. C CAP. C CAP. E CAP. C CAP. C CAP.	4700pFAC250V 2 4700pFAC250V Z 220µF 400V M 0.01µF 500V K 390pF 2kV K 47µF 50V M 1800pF 50V K 560pF 2kV K
	C2912 C2921 C2922-23 C2951 C2952	QCB31HK-561Z QETN1EM-227Z QETN1HM-106Z QEZ0203-227 QEHQ1CM-228	C CAP. E CAP. E CAP. E CAP. E CAP.	560pF 50V K 220µF 25V M 10µF 50V M 220µF 160V M 2200µF 16V M
	C2953-54 C2955 C2956 C2959-60 C2966 C2967 C2968 C2970	QEHQ1CM-228 QEHR1CM-4777 QEHQ1VM-228 QCB32HK-1022 QFLC1HJ-1037 QEHQ1CM-228 QCZ0120-1042 QEHR1CM-2277	E CAP. E CAP. E CAP. C CAP. M CAP. E CAP. C CAP. E CAP.	2200µF 16V M 470µF 16V M 2200µF 35V M 1000pF 50V V 0.01µF 50V J 2200µF 16V M 0.1µF 25V 2 220µF 16V M
A	C2972-73 C2974-75 C2976 C2977 C2978 C2991 C2992	QEHR1AM-477Z QEZ0256-128 QETN1AM-227Z QFV71HJ-684Z QCZ0122-471 QCZ9079-332 QCZ9079-471	E CAP. E CAP. E CAP. MF CAP. C CAP. C CAP. C CAP.	470µF 10V M 1200µF 10V M 220µF 10V M 0.68µF 50V J 470pF 2kV K 3300pFAC250V K 470pFAC250V K

	AV-28WFX1EU				
_	Description	Part Name	Part No.	Symbol No.	٨
_		ER	NSFORM	TRAI	
	(SERVICE)	DRIVE TRANSF. PINC.TRANSF. HVT DEF TRANSF. SM TRANSF. POWER TRANSF.	QQR1111-001 QQR0706-001 QQH0054-002-12 QQR1096-001 CETS129-001J4 QQT0147-001	T2501 T2521 T2551 T2551 T2561 T2901 T2921	<u>.</u>
_		· · · · · · · · · · · · · · · · · · ·	_	COII	
	2200µН	CHOKE COIL CHOKE COIL LIMEARITY COIL HEATER CHOKE CHOKE COIL CHOKE COIL CHOKE COIL	QQL43AJ-332 QQL2020-801 QQL2025-180 QQR0961-002 QQL2026-540 QQL43AJ-222 QQL401K-100Z QQR0646-003	L2451 L2452 L2521 L2522 L2551 L2561 L2901-02 L2903	۵
		HEATER CHOKE CHOKE COIL CHOKE COIL HEATER CHOKE CHOKE COIL	QQL7026-460 QQL26AK-220Z QQR0518-001 QQL7026-460 QQL26AK-220Z	L2951 L2952-54 L2955 L2956 L2957	
_) E	DIO	_
EUG/EUS		SI. DIODE SI. DIODE SI. DIODE SI. DIODE ZEMER DIODE SI. DIODE SI. DIODE SI. DIODE SI. DIODE	155133-T2 BYD33D-T3 15581-T5 155133-T2 MTZ115B-T2 V11CA-C1 FMV-3FU-F1 BYW95B-20	D2451 D2454 D2501 D2502 D2503 D2521 D2522 D2551-52	
AV-28WFX1E		SI.DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE SI.DIODE BRIDGE DIODE	BYD33G-T3 MTZJ4.7A-T2 BYD33G-T3 MTZJ15B-T2 MTZJ7.5B-T2 MTZJ7.5S-T2 BYD33G-T3 D35B60	D2553 D2554 D2555-56 D2581 D2582 D2583 D2584 D2901	<u>.</u>
		SI.DIODE SI.DIODE SI.DIODE SI.DIODE SI.DIODE ZEMER DIODE ZEMER DIODE ZEMER DIODE SI.DIODE	BYD33M-T3 BYD33D-T3 BYD33D-T3 1SS133-T2 MTZ115B-T2 1N4003-T2 MTZ110B-T2 RU4B-F1	D2902 D2903 D2904 D2905 D2907 D2921-24 D2925 D2951	4
		S1. D10DE S1. D10DE S1. D10DE S1. D10DE S1. D10DE ZEMER D10DE S1. D10DE S1. D10DE	FMX-G12S 8YM95B-20 SF6120U BY033H-T3 RK44-LFT4 MTZ:33B-T2 15S133-T2 15S133-T2	D2953 D2954 D2955 D2958 D2959 D2960 D2961-62 D2964-66	
		SI.DIODE	155133-T2	D2981-82	
_		R	NSISTO	TRA	
	H. OUT	F.E.T. SI.TRAMSISTOR F.E.T. SI.TRAMSISTOR SI.TRAMSISTOR SI.TRAMSISTOR DIGI.TRAMSISTOR SI.TRAMSISTOR	25K2459H-F54 25C1815/YG7-T B5H304-T 25C1815/YG7-T 25C5552-RL 25A949/Y/Z1-T DTC144E5A-T 25C1815/YG7-T	Q2452 Q2453 Q2501 Q2502 Q2521 Q2581 Q2582 Q2583	Δ
		SI.TRANSISTOR SI.TRANSISTOR	25C2655/Y/-T 25C1815/YG/-T	02921 02981-82	

Δ Symbol No.	Part No.	Part Name	Description
IC2451 IC2451 IC2901 IC2951 IC2952 IC2953 IC2954 IC2955 IC2956	BA10393 STR-F5653B SE14GN 9A12T SI-8050S BA033T UPC2409AHF BA08T	IC I.C.(HYBRID) I.C.(MONO-ANA) I.C.(MYBRID) I.C.(MONO-ANA) I.C.(MONO-ANA) I.C.(MONO-ANA) I.C.(MONO-ANA)	
отні	ERS		
↑ CP2953 K2521 K2523-25 K2901-02 K2951 K2952 K2953 ↑ PC2901	ICP-N75-Y CE41832-001 CE41832-001 CE42050-001Z OQR0679-001 OQR0621-002Z OQR0715-001Z TLP721F (04-GR)	I.C.PROTECT LEAD CORE LEAD CORE CORE FERRITE BEADS BEADS CORE LEAD CORE I.C. (PH.COUPLER)	
A RY2981 A TH2901	QSK0086-001 QAD0120-9R0	RELAY P THERMISTOR	

CRT SOCKET PW BOARD ASS'Y (SMD-3005A-U2)

Refer to PARTS LIST in page 46 for this P.W. board.

FRONT CONTROL PW BOARD ASS'Y

symbol No.	Part No.	Part Name	Descri	otion
RES	ISTOR			
R8001-02	QRE121J-271Y	C R	270Ω 1/2	
R8003	ORE141J-222Y	C R	2.2kΩ 1/4	W J
R8004	QRE141J-472Y	CR	4.7kΩ 1/4	¥ j
R8005	ORE141J-561Y	CR	560Ω 1/4	₩ j
R8008	ORE141J-682Y	C R	6.8kΩ 1/4	ų j
R8009	ORE141J-105Y	C R	1MΩ 1/4	W J
R8010	ORE141J-183Y	C R	18kΩ 1/-	W J
R8011	QRE141J-123Y	CR	12kΩ 1/4	W
R8012	QRE141J-273Y	CR	27kΩ 1/4	W J
18013	ORE141J-332Y	ĊR	3.3kΩ 1/-	₩J
8014	ORE1411-123Y	C R	12kΩ 1/-	W J
R8020	ORE1411-562Y	C R	5.6kΩ 1/4	W J
R8021-22	ORE141J-102Y	CR	1kΩ 1/-	W J
R8035	ORE141J-391Y	CR	390Ω 1/-	W J
R8036-38	ORE141J-561Y	C R	560Ω 1/-	W J
R8039	QRE141J-821Y	C R	820Ω 1/-	W J
CAP	ACITOR	<u> </u>		
C8001-02	QCB31HK-103Z	C CAP.		IV K
C8003	QETN1HM-106Z	E CAP.		N N
C8004	QCZ0120-104Z	C CAP.		iv Z
28005	QETN1EM-476Z	E CAP.		iv H
C8010-11	QCB31HK-472Z	C CAP.		IV K
C8019	OETN1CM-107Z	E CAP.	100aF 1	V M

Symbol No.	Part No.	Part Name	Description
CAP	ACITOR		
C8021	OCZ0120-104Z	C CAP.	0.1µf 25V Z
C8022	QETN1EH-476Z	E CAP.	47µF 25V M
C8023	QCZ0120-104Z	C CAP.	0.1µF 25V Z
C8901	QFZ9040-474	M.F.CAPACITOR	0.47µFAC275V M
COI	L		
L8001	QQR0716-001Z	LEAD CORE	
L8002-03	QQL211K-5R6Y	PEAKING COIL	5.6µН
L8010-11 L8012	QQL211K-270Y QQR0716-001Z	PEAKING COIL LEAD CORE	27µН
DIO	DE		
08007	P1241-04	C.D.S.	
08008	155133-T2	SI.DIODE	
08009 08010	SLR-342MG-T16 SPR-39MVWF	L.E.D. (GRM) L.E.D.	
08011	155133-T2	SI.DIOOE	
D8012 D8013	SLR-3420U-T16 SLR-342YY-T16	L.E.D.(ORG) L.E.D.(YLW)	
D8014	HTZJ6.8A-TZ	ZENER DIODÉ	
08018	MTZJS.1B-TZ	ZEMER DIODE	
TRA	NSISTO	R	
TRA 08001 08002 08003-04 08005-07	NSISTO 2SA1015/YG/-T DTC144ESA-T DTA144ESA-T OTC144ESA-T	SI. TRANSISTOR DIGI. TRANSISTOR DIGI. TRANSISTOR DIGI. TRANSISTOR	
Q8001 Q8002 Q8003-04	2SA1015/YG/-T DTC144ESA-T DTA144ESA-T	SI.TRANSISTOR DIGI.TRANSISTOR DIGI.TRANSISTOR	
Q8001 Q8002 Q8003-04 Q8005-07	2SA1015/YG/-T DTC144ESA-T DTA144ESA-T	SI.TRANSISTOR DIGI.TRANSISTOR DIGI.TRANSISTOR	
Q8001 Q8002 Q8003-04 Q8005-07	25A1015/YG/-T DTC144E5A-T DTA144E5A-T DTC144E5A-T OTC144E5A-T	SI.TRANSISTOR DIGI.TRANSISTOR DIGI.TRANSISTOR DIGI.TRANSISTOR	
08001 08002 08003 - 04 08005 - 07	25A1015/YG/-T DTC144E5A-T DTA144E5A-T DTC144E5A-T OTC144E5A-T	SI.TRANSISTOR DIGI.TRANSISTOR DIGI.TRANSISTOR DIGI.TRANSISTOR	3.15A
Q8001 Q8002 Q8003-04 Q8003-07 I C IC6001 OTH A CH8002 J8001 J8001 J8001 J8001 J8001 J8001 J8001 J8001 J8001 J8001 JERSON	25A1015/Y6/-T DTC144E5A-T DTA14E5A-T DTA14E5A-T OTC144E5A-T OTC144E5A-T GP10281Q E R S CEMC002-0012 LC36956-0018-C C735921-005-H 06F1216C1-25 09F1302-381531 09C81095-001 QQR1095-001 QQR1095-001	SI. TRANSISTOR DIGI. TRANSISTOR DIGI. TRANSISTOR DIGI. TRANSISTOR IFR DETECT UNIT FUSE CLIP LED HOLDER COS HOLDER FUSE CONNECTOR FUSE HEADPHONE JACK AY JACK LIME FILTER	
Q8001 Q8002 Q8003-04 Q8005-07 I C IC8001 OT H A F8901 J8003 A F8901	25A1015/Y6/-T DTC144E5A-T DTC144E5A-T DTC144E5A-T OTC144E5A-T GP10/281Q E R S CENCOO2-0017 LC10595-0018-C CR35921-05-H OGF1216C1-25 OMF5102-281571 OMF5004-C01 QR20453-001 QR20455-001	SI. TRANSISTOR DIGI. TRANSISTOR DIGI. TRANSISTOR DIGI. TRANSISTOR IFR DETECT UNIT FUSE CLIP LED HOLDER COS HOLDER COS HOLDER FUSE HEADPHONE JACK AY JACK LIME FILTER PUSS SWITCH	MENU CH DOWN
Q8001 Q8003 Q8003-04 Q8003-07 IC8001 OTH CH8002 A F8901 J8003 A LF8901 LF8901 A LF8901	25A1015/Y6/-T DTC144E5A-T DTC144E5A-T DTC144E5A-T OTC144E5A-T OTC144E5A-T CF10281Q E R S CENCOQ2-0012 LC30596-0018-C CR35921-005-H OGF102-31551 OF50004-C01 OQR1095-001 OQR1095-001 OQR1095-001 OQR1095-001 OQR1095-001	SI. TRANSISTOR DIGI. TRANSISTOR DIGI. TRANSISTOR DIGI. TRANSISTOR IFR DETECT UNIT FUSE CLIP LED HOLDER FOS HOLDER FFC CONNECTOR FUSE HEADPHONE JACK AY JACK LINE FILTER	MENU

			E	BBE PW	BOARD
Part No.	Part Name	Description		A Symbol No.	Part No.
CITOR			=		STO
QCZ0120-104Z QETN1EM-476Z QCZ0120-104Z QFZ9040-474	C CAP. E CAP. C CAP. M.F.CAPACITOR	0.1uf 25V Z 47µF 25V M 0.1uF 25V Z 0.47µFAC275V М		R0101-02 R0106-07 R0108-09 R0113 R0116 R0117	QRE141J-22 QRE141J-22 QRE141J-10 QRE141J-10 QRE141J-27 QRE141J-32
QQR0716-001Z QQL211K-5R6Y 00L211K-270Y	LEAD CORE PEAKING COIL PEAKING COIL	5.6µH 27uH	_	R0118 R0119	QRE141J-27 QRE141J-82
QQR0716-001Z	LEAD CORE				CIT
P1241-04 155133-T2 518-342MG-T16 5PR-39HWF 155133-T2	C.D.S. SI.DIODE L.E.D. (GRN) L.E.D. SI.DIODE			C0101 C0102 C0103 C0104 C0105 C0107 C0108 C0109	QFLC1HJ-333 QFLC1HJ-333 QENC1HN-479 QETN1HH-108 QETN1EH-476 QFV71HJ-104 QFLC1HJ-333 QFLC1HJ-333
SLR-3420U-T16 SLR-342YY-T16 MTZJ6.8A-T2	L.E.D.(ORG) L.E.D.(YLW) ZENER DIODE			C0110 C0112 C0114-15	QENC1HM-475 QETN1HM-476 QETN1HM-106
MTZJ5.1B-TZ	ZENER DIODE				,
			_	IC	
4 S I S T O 25A1015/YG/-T	SI.TRANSISTOR			IC0101	NJM2150AD
DTC144ESA-T DTA144ESA-T	DIGI.TRANSISTOR DIGI.TRANSISTOR		_	OTHE	RS
OTC144ESA-T	DIGI.TRANSISTOR		_	CN0001	QG83501K1-4
GP1U281Q	IFR DETECT UNIT				
RS					
CENGOO2-001Z LC30596-001B-C CN35921-005-H	FUSE CLIP LED HOLDER CDS HOLDER				

RD ASS'Y (SMD0A001A-U2) 100Hz PW BOARD (SMD0Z006A-U3)

		ST (SMIDUA	00174-02)	100112 F	N BUAKU	(SMD0Z006A	-03)	
Symbol No.	Part No.	Part Name	Description	△ Symbol No.	Part No.	Part Name	Description	
RESI R0101-02 R0106-07 R0108-09 R0113 R0116 R0117 R0118 R0119	QRE1411-223Y QRE1411-223Y QRE1411-123Y QRE1411-123Y QRE1411-103Y QRE1411-273Y QRE14	CR CR CR CR CR CR CR	22kQ 1/4W J 22kQ 1/4W J 10kQ 1/4W J 10kQ 1/4W J 27kQ 1/4W J 0.033µF 50V J 4.7µF 50V M 10µF 50V M 4.7µF 50V M 2.1µF 50V J 3300pF 50V J 3300pF 50V J 3300pF 50V J 0.033µF 50V J		NRSA021-101X NRSA021-101X NRSA021-101X NRSA021-101X NRSA021-101X NRSA021-101X NRSA021-101X NRSA021-311X NRSA021-473X NRSA021-101X	MG R	1000 2:104 3 2.2kG 2/10N 3 4.7kG 2:10N 3 1000 2:10N 3 1000 2:10N 3 3000 2:0N 3 2.2kG 2:10N 3 2.2kG 2:10N 3 3000 2:0N 3	-
C0110 C0112 C0114-15	QENC1HM-475Z QETN1HM-476Z QETN1HM-106Z	BP E CAP. E CAP. E CAP.	4.7μF 50V M 47μF 50V M 10μF 50V M	R0124 R0125 R0126 R0127 R0128	NRSA02J-222X NRSA02J-473X NRSA02J-273X NRSA02J-271X NRSA02J-181X	NG R NG R NG R NG R NG R	2.2kΩ 1.10M J 47kΩ 1/10M J 27kΩ 1/10M J 27kΩ 1/10M J 270Ω 1/10M J 180Ω 1/10M J	
ICO101 OTHE	NJM2150AD RS QG83501K1-40	I.C.(MONO-ANA)		R0129 R0130 R0131 R0132 R0133 R0134 R0141 R0142	HRSA02J-101X NRSA02J-330X NRSA02J-222X NRSA02J-101X NRSA02J-471X NRSA02J-221X HRSA02J-101X NRSA02J-101X	MG R MG R MG R MG R MG R MG R MG R	100Ω I:10W J 330 I:70W J 2.2kG I:70W J 2.2kG I:70W J 100Ω I:70W J 4700 I:70W J 100Ω I:70W J 100Ω I:70W J 1kB I:710W J	EUG/EUS
		-		R0143 R0144 R0145 R0146 R0147 R0148 R0149 R0150	HRSA02J-331X HRSA02J-222X HRSA02J-473X HRSA02J-273X HRSA02J-271X HRSA02J-181X HRSA02J-101X HRSA02J-150X	MG R MG R MG R MG R MG R MG R MG R	3300 1/10M J 2.2k0 1/10M J 47k0 1/10M J 77k0 1/10M J 2700 1/10M J 1800 1/10M J 1000 1/10M J 150 1/10M J	AV-28WFX1EUG/EUS
		(SMD0F003	•	R0151 R0152 R0153 R0154 R0155 R0156 R0157 R0158	MRSA02J-222X MRSA02J-101X MRSA02J-471X MRSA02J-221X MRSA02J-100X MRSA02J-122X MRSA02J-560X MRSA02J-680X	NG R NG R NG R NG R NG R NG R NG R	2.2kΩ 1/10W J 100Ω 1/10W J 470Ω 1/10W J 220Ω 1/10W J 10Ω 1/10W J 1.2kΩ 1/10W J 56Ω 1/10W J 56Ω 1/10W J	
			(SMD0J003A-U2)	R0159 R0160 R0161 R0162 R0163 R0164 R0165	MRSAO2J-101X MRSAO2J-333X MRSAO2J-223X NRSAO2J-122X MRSAO2J-181X MRSAO2J-680X NRSAO2J-0ROX NRSAO2J-101X	MG R MG R MG R MG R MG R MG R MG R	1000 1/10W J 33kΩ 1/10W J 22kΩ 1/10W J 1.2kΩ 1/10W J 180Ω 1/10W J 68Ω 1/10W J 0.0Ω 1/10W J 100Ω 1/10W J	
verer to PA	ARTS LIST (n	page 49 for this	P.W. board.	R0172 R0173 R0174 R0175 R0176 R0177 R0178 R0179	NRSA02J-102X NRSA02J-182X NRSA02J-560X NRSA02J-505X NRSA02J-61X NRSA02J-101X NRSA02J-101X NRSA02J-471X	MG R MG R MG R MG R MG R MG R MG R	1kG 1/10W J 1.8kG 1/10W J 56G 1/10W J 18G 1/10W J 18G 1/10W J 100K 1/10W J 100G 1/10W J 47G 1/10W J	
MDOWOO)3A-U3)	PANORAMA		R0130 R0131-82 R0183-84 R0185 R0186 R0187	NRSA02J-102X NRSA02F-392X NRSA02J-122X NRSA02F-392X NRSA02F-332X NRSA02J-101X	MG R MG R MG R MG R MG R	1kΩ 1/10W J 3.9kΩ 1/10W F 1.2kΩ 1/10W J 3.9kΩ 1/10W F 3.3kΩ 1/10W F 100Ω 1/10W J	

AV-28WFX1EUG AV-28WFX1EUS

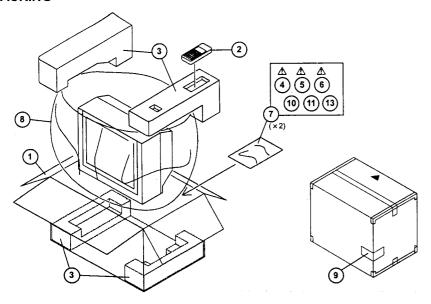
▲ Symbol No.	Part No.	Part Name	Description	∆ Symbol No.	Part No.	Part Name	Description
	STOR			RESI	STOR		
R0189 R0190 R0191 R0191 R0193 R0201-16 R0221-36 R0303-18	NRSA02J-470X NRSA02J-102X NRSA02J-221X NRSA02J-220X NRSA02J-104X NRSA02J-101X NRSA02J-101X NRSA02J-101X	MG R MG R MG R MG R MG R MG R MG R MG R	47Ω 1/10M J 1kΩ 1/10M J 220Ω 1/10M J 22Ω 1/10M J 100kΩ 1/10M J 100Ω 1/10M J 100Ω 1/10M J 100Ω 1/10M J	R0606 R0607-08 R0609 R0610 R0611 R0612-13 R0614 R0615	NRSA02J-680X NRSA02J-0R0X NRSA02J-10DX NRSA02J-1DDX NRSA02J-1DDX NRSA02J-560X NRSA02J-10OX NRSA02J-822X	NG R NG R NG R NG R NG R NG R NG R	68Ω 1/10M J 0.0Ω 1/10M J 10Ω 1/10M J 0.0Ω 1/10M J 10Ω 1/10M J 56Ω 1/10M J 10Ω 1/10M J 8.2kΩ 1/10M J
R0401 R0403 R0404 R0406 R0408 R0409 R0411 R0412 R0413 R0415 R0417 R0418 R0419	MRSA023-103X MRSA02J-223X MRSA02J-222X MRSA02J-102X MRSA02J-102X MRSA02J-102X MRSA02J-102X MRSA02J-101X MRSA02J-101X MRSA02J-101X MRSA02J-102X MRSA02J-102X MRSA02J-101X	NG R NG R NG R NG R NG R NG R NG R NG R	10kD 1/10k J 22kD 1/10k J 22kD 1/10k J 2kD 1/10k J 3kD 1/10k J 5600 1/10k J 10kD 1/10k J	R0616 R0704 R0705-06 R0708 R0709 R0714 R0715 R0716 R0717 R0718 R0719 R07710	MRSA02J-0R0X MRVA02D-123X MRVA02D-123X MRVA02D-123X MRVA02D-123X MRVA02D-123X MRSA02J-333X MRSA02J-153X MRSA02J-153X MRSA02J-153X MRSA02J-153X MRSA02J-153X MRSA02J-153X MRSA02J-333X	MG R MG R MF R MF R MF R MG R MG R MG R	22KQ 1/10W J 0.0Q 1/10W J 12KQ 1/10W D 12KQ 1/10W D 12KQ 1/10W D 12KQ 1/10W D 12KQ 1/10W J 13KQ 1/10W J 15KQ 1/10W J 13KQ 1/10W J 13KQ 1/10W J 13KQ 1/10W J
R0420 R0425 R0426 R0428 R0429 R0431 R0432 R0433 R0433 R0437	NRSA02J-471X NRSA02J-DROX NRSA02J-122X NRSA02F-562X NRSA02F-563X HRSA02J-080X NRSA02J-561X HRSA02J-101X NRSA02J-151X NRSA02J-151X NRSA02J-102X	NG R NG R NG R NG R NG R NG R NG R NG R	4700 1/10N J 1.2KD 1/10N J 1.2KD 1/10N J 5.6KD 1/10N F 33KD 1/10N F 0.0D 1/10N J 1000 1/10N J 1000 1/10N J 1500 1/10N J 1500 1/10N J 1KD 1/10N J	R0721 R0723 R0724 R0726 R0727 R0731 R0733 R0734 R0736 R0737	MRSAQ2J-123X MRSAQ2J-682X MRSAQ2J-277X MRSAQ2J-263X MRSAQ2J-224X MRSAQ2J-124X MRSAQ2J-124X MRSAQ2J-123X MRSAQ2J-123X MRSAQ2J-123X MRSAQ2J-224X	MG R	12kG 1/10M J 2.RkG 1/10M J 2.RkG 1/10M J 55kG 1/10M J 220kG 1/10M J 12kG 1/10M J
R0438 R0439 R0440 R0441 R0442 R0443 R0451 R0452 R0453	MRSA02J-101X MRSA02J-101X MRSA02J-471X MRSA02J-127X MRSA02J-152X MRSA02F-562X MRSA02J-0R0X MRSA02J-561X MRSA02J-101X	NG R NG R NG R NG R NG R NG R NG R NG R	22Ω 1/10W J 100Ω 1/10W J 470Ω 1/10W J 1,22Ω 1/10W J 5,64Ω 1/10W F	R0738 R0739 R0740 R0741 R0742 R0743 R0744	NRSAO2J-273X NRSAO2J-332X NRSAO2J-623X NRSAO2J-623X NRSAO2J-224X NRSAO2J-683X NRSAO2J-563X	MG R MG R MG R MG R MG R MG R MG R MG R	77kg 1/10M J 3.3kg 1/10M J 6.8kg 1/10M J 22kg 1/10M J 220kg 1/10M J 68kg 1/10M J 68kg 1/10M J 56kg 1/10M J
R0455 R0457 R0458 R0459 R0460 R0461 R0462 R0463	NRSA02J-151X NRSA02J-102X NRSA02J-20X NRSA02J-101X NRSA02J-471X NRSA02J-122X NRSA02F-5231X NRSA02F-333X	MG R MG R MG R MG R MG R MG R MG R	1500 1/10N J 1kh 1/10N J 220 1/10N J 1000 1/10N J 1000 1/10N J 4/200 1/10N J 5.23k0 1/10N F 33k0 1/10N F	CAPA (0001 (0002 (0003 (0004 (0005 (0006 (0007 (0008	MEH71CH-476X MCF71E7-104X MCF71E7-104X MEH71CH-476X MCF71E7-104X MEH71CH-476X MCF71E7-104X MCF71E7-104X	E CAP. C CAP. E CAP. C CAP. C CAP. C CAP. C CAP. C CAP. C CAP.	47µF 16V M 0.1µF 25V Z 47µF 16V M 0.1µF 25V Z 47µF 16V M 0.1µF 25V Z 47µF 16V Z
R0472 R0473 R0475 R0476 R0477 R0478 R0479	NRSA02J-391X NRSA02J-101X NRSA02J-330X NRSA02J-122X NRSA02J-102X NRSA02J-220X NRSA02J-101X NRSA02J-221X NRSA02J-683X	MG R MG R MG R MG R MG R MG R MG R MG R	3900 1/10W J 1000 1/10W J 330 1/10W J 1.2K0 1/10W J 120 1/10W J 220 1/10W J 220 1/10W J 2800 1/10W J 68K0 1/10W J	C0009 C0011 C0102 C0103 C0104 C0105 C0106 C0107	NDC21HJ-121X NDC21HJ-270X NDC21HJ-121X NDC21HJ-680X NEN51EH-106X NCF21HZ-224X NCF21EZ-104X NDC21HJ-390X	C CAP.	120pf 50V J 27pF 50V J 120pF 50V J 68pF 50V J 10pF 25V M 0.22pF 50V Z 0.2pF 50V Z 33pF 50V J
R0487 R0488 R0489 R0491-92 R0501 R0504 R0505 R0506	NRSA02J-103X NRSA02J-223X NRSA02J-562X NRSA02J-102X NRSA02J-102X NRSA02J-104X NRSA02J-472X NRSA02J-272X NRSA02J-472X	MG R MG R MG R MG R MG R MG R MG R	10KQ 1/10W J 22KQ 1/10W J 5 6KQ 1/10W J 1KQ 1/10W J 100KQ 1/10W J 4.7KQ 1/10W J 2.7KQ 1/10W J 4.7KQ 1/10W J	C0108 C0109 C0110 C0111 C0112-14 C0122 C0123 C0124	NEH71CM-476X NEN51HM-105X NED21HK-103X NDC21HJ-181X NEH71CM-106X NDC21HJ-121X NDC21HJ-680X NEN51HM-105X	E CAP. CHIP AL BP E CAP C CAP. C CAP. E CAP. C CAP. C CAP. C CAP. C CAP.	47µF 16V M inf 50V M 0.01µF 50V K 180µF 50V J 100µF 16V M 120µF 50V J 68pF 50V J 1µF 50V M
R0507 R0512 R0514-15 R0516 R0602-03 R0604	NRSA02J-OROX NRSA02J-103X NRSA02J-682X NRSA02J-OROX NRSA02J-680X QRN143J-221X	MG R MG R MG R MG R MG R	0.00.1/10M J 10kΩ 1/10M J 6.8kΩ 1/10M J 0.0Ω 1/10M J 68Ω 1/10M J 220Ω 1/4H J	C0125 C0126 C0142 C0143 C0144 C0145	NCF21HZ-224X NCF21EZ-104X NDC21HJ-121X NDC21HJ-680X NEN51HM-105X NCF21HZ-224X	C CAP. C CAP. C CAP. C CAP. C CAP. C HIP AL BP E CAP. C CAP.	0.22µF 50V 2 0.1µF 25V Z 120µF 50V J 68µF 50V J 1µF 50V M 0.22µF 50V Z

Symbol No.	Part No.	Part Name	Description
CAPA	CITOR		
C0146 ·	NCF21EZ-104X	C CAP.	0.1µF 25V Z
C0151 C0152	NCB21HK-103X Qethojh-228Z	C CAP. E CAP.	0.01μF 50V K 2200μF 6.3V M
C0153	NCF21EZ-104X	COAP.	0.1µF 25V 2
C0154-55	NEH71HK-10SX	E CAP.	1μF 50V M
C0156-57 C0161-62	NCF21EZ-104X NEH71CM-106X	C CAP. E CAP.	10uF 16V M
C0163	MCF21EZ-104X	C CAP.	0.1µF 25V Z
C0164	NEH71CM-106X	E CAP.	10µF 16V M
C0165-80 C0181-82	NCF21EZ-104X NDC21HJ-8R0X	C CAP. C CAP. C CAP.	0.1µF 25V Z 8.0pF 50V J
C0191	NCF21EZ-104X	C CAP.	0.1µF 25V Z
C0192 C0193	NEH71CM-106X NCB21HK-103X	E CAP. C CAP.	10µF 16V M 0.01µF 50V K
C0194	NRSAO2J-223X	MG R	22kΩ 1/19W J
C0201-02	QETNOJH-477Z	E CAP.	470μF 6.3V M
C0203-07 C0208-09	NCF21EZ-104X NDC21HJ-150X	C CAP. C CAP.	0.1μF 25V Z 15pF 50V J
C0301-19	NCF21EZ-104X	C CAP.	0.1µF 25V Z
C0401 C0402	NEH71CM-106X NCF21EZ-104X	E CAP. C CAP.	10µF 16V M 0.1µF 25V Z
(0403	NEH71CM-106X	E CAP.	10μF 16V M
C0404 C0405-06	NCF21EZ-104X NDC21NJ-120X	C CAP. C CAP.	0.1µF 25V Z 12pF 50V J
C0408-13	NCB21HK-103X	C CAP.	0.01µF 50V K
C0414	NCF21EZ-104X	C CAP.	0.1μF 25V Z
C0415 C0416	NEH71HM-105X NEH71CH-106X	E CAP. E CAP.	1μF SOV M 10μF 16V M
C0417	NCF21EZ-104X	C CAP.	0.1µF 25V Z
C0420 C0422	NEH71HM-105X NRSA02J-0R0X	E CAP. NG R	1μF 50V M 0.0Ω 1/10W J
C0424	NEH71HM-105X	E CAP.	1µF 50V M
C0425	HEH71CM-476X	E CAP.	47μF 16V M
C0426 C0432	NCF21EZ-104X NRSA02J-OROX	C CAP. MG R	0.1μF 25V Z 0.0Ω 1/10W J
C0434	NEH71HM-105X	E CAP.	1uF 50V M
C0435 C0452	HCF21EZ-104X HRSA021-DROX	C CAP. MG R	0.1μF 25V Z 0.0Ω 1/10W J
C0454	NEH71HM-105X	E CAP. C CAP.	1μF 50V M
C0455	NCF21EZ-104X		0.1µF 25V Z
C0472 C0474	NRSAD2J-OROX Neh71HN-105X	MG R E CAP.	0.0Ω 1/10W J 1μF 50V M
C0475-76	NCF21EZ-104X	C CAP.	0.1µF 25V Z
C0477 C0501	NDC21HJ-561X NCB21HK-333X	C CAP. C CAP. C CAP. C CAP.	560pF 50V J 0.033µF 50V K
C0504	NCB21HK-562X	C CAP.	5600pF 50V K
C0505-06 C0601	NCB21HK-393X NCF21EZ-104X	C CAP. C CAP.	0.039µF 50V K 0.1µF 25V Z
C0602	NEK71CH-476X	E CAP.	47µF 16V N
C0603	NCF21EZ-104X	C CAP	0.1µF 25V Z
C0605 C0606	NCF21EZ-104X NDC21HJ-681X	C CAP. C CAP.	0.1µF 25V Z 680pF 50V J
C0701	NCB21HK-102X	C CAP.	1000pF 50V K
C0706 C0707	NCB21EK-154X NCB21EK-104X	C CAP. C CAP.	0.15μF 25V K 0.1μF 25V K
C0708	NCB21HK-103X	C CAP.	0.01µF 50V K
C0709	NCF21EZ-104X	C CAP.	0.1μF 25V Z
C0710 C0711	NEH71CK-106X NCF21EZ-104X	E CAP. C CAP.	10μF 16V M 0.1μF 25V Z
C0712	NEH71CH-106X	E CAP.	10μF 16V M
C0713	NCB21HK-223X	C CAP.	0.022µF 50V K
COI			
L0001-05	NQLO2BJ-4R7X	COIL	4.7µН
L0101	NQL011K-3R3X	COIL	3.3µH
L0121 L0141	NQLO11K-3R3X NQLO11K-3R3X	COIL COIL	3.3µH 3.3µH
L0141	NQLOZBJ-100X	COIL	3.3µH 10µH
L0162	NQLOZBJ-3R3X NOLOZBJ-100X	COIL	3.3µR 10µK
L0163-64 L0201-02	NQL0283-100X NQL028J-100X	COIL	10µ# 10µ#

Symbol No.	Part No.	Part Name	Description
D0001 D0101-02 D0103 D0104-05 D0106 D0107 D0401 D0403-10	MA152WK-X MA3068/M/-X MA3043-X MA111-X MA3068/M/-X MA111-X MA111-X MA3068/M/-X	SI.DIODE ZEMER DIODE ZEMER DIODE SI.DIODE ZEMER DIODE SI.DIODE SI.DIODE ZEMER DIODE ZEMER DIODE ZEMER DIODE ZEMER DIODE	
D0411-13 D0414 D0701	MA111-X MA3068/H/-X MA111-X	SI.DIODE ZENER DIODE SI.DIODE	
TRAI	NSISTO	R	
00101 00102 00103 00104 00105 00106-07 00108 00109-10	2SA1162/YG/-X 2SC2712/YG/-X 2SA1162/YG/-X 2SC2712/YG/-X 2SA1162/YG/-X 2SC2712/YG/-X 2SA1162/YG/-X 2SC2712/YG/-X	SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR	
Q0111 Q0121 Q0122 Q0123 Q0124 Q0141 Q0142 Q0143	2SA1162/YG/-X 2SA1162/YG/-X 2SC2712/YG/-X 2SA1162/YG/-X 2SC2712/YG/-X 2SA1162/YG/-X 2SC2712/YG/-X 2SA1162/YG/-X	SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR	
00144 00151-52 00153 00154 00155 00402 00403-05 00411	2SC2712/YG/-X 2SC2712/YG/-X 2SA1162/YG/-X 2SC2712/YG/-X 2SC2712/YG/-X 2SC2712/YG/-X 2SA1162/YG/-X 2SA1162/YG/-X	S1.TRANSISTOR S1.TRANSISTOR S1.TRANSISTOR S1.TRANSISTOR S1.TRANSISTOR S1.TRANSISTOR S1.TRANSISTOR S1.TRANSISTOR S1.TRANSISTOR	
Q0412-15 Q0431 Q0432-35 Q0451 Q0452-55 Q0471 Q0472-74 Q0501	2SC2712/YG/-X 2SA1162/YG/-X 2SC2712/YG/-X 2SA1162/YG/-X 2SC2712/YG/-X 2SA1162/YG/-X 2SC2712/YG/-X 2SC2712/YG/-X 2SC2712/YG/-X	SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR	
Q0601 Q0702	25C2712/YG/-X 25C2712/YG/-X	SI.TRANSISTOR SI.TRANSISTOR	
IC			
IC0101 1C0102 IC0201 IC0301 IC0401 IC0601 IC0602 IC0603	SDA9206 TC4M66F-X SDA9400 JCC5043 DDP3310B/E4-W SN74LV04AM5-X TC74AC00F-X MN1382/Q/-X	1 C 1.C.(DIGI-MOS) I C I C I C I C I.C.(DIGI-MOS) I.C.(MONO-ANA)	
IC0701-02	NJM4556AM-XE	1 C	
отн			
LC0001-04 LC0101-03 LC0104 LC0201 LC0401-11 LC0601 LC0602 LC0603	CE42482-103Y CE42482-470Y CE42126-101Y CE42126-103Y CE42126-20Y CE42126-101Y CE42482-470Y CE42126-101Y	EMI FILTER	
X0101 X0201 X0401 Y0001-14 Y0017-28	QAXO549-001Z QAXO359-001Z QAXO548-001Z NRSAOZJ-OROX NRSAOZJ-OROX	X TAL CRYSTAL X TAL HG R HG R	0.00 1/10N J 0.00 1/10N J

AV-28WFX1EUG / AV-28WFX1EUS

PACKING



PACKING PARTS LIST

⚠ Ref.No.	Part No.	Part Name	Description
AV - 28WFX1E	AEM1002-068-E RM-C50-1C LC10722-002A-U LCT0616-001A-U LCT0617-001A-U LCT0618-001A-U AEM3021-002-E AEM1047-002-E	PACKING CASE REMOCON UNIT CUSHION ASSY INST BOOK INST BOOK INST BOOK OCCUMENT BAGS POLY BAG	4pcs in lset For ENG/GER/FRA/NED/ITA/ESP For FIN/NOR/DEN/SWE/FOR For POL/CZE/HUN/ROM/BUL/RUS (×2)
9 10 11 13	AEM1039-068-E BT-54013-1E 2832WFX1-HSAE AEM1050-001-E	EURO LABEL WARRANTY CARD S.DIAGRAM X-RAY CARD	ONLY ITALY(SERVICE)
AV-28WFX1E 2 3 4 4 5 4 5 6 7 8	US AEM1002-068-E RM-C50-1C LC10722-002A-U LC70615-001A-U LC70618-001A-U LC70618-001A-U AEM3021-002-E AEM1047-002-E	PACKING CASE REMOCON UNIT CUSHION ASSY INST BOOK INST BOOK INST BOOK OCUMENT BAGS POLY BAG	4pcs in 1set For ENG/GER/FRA/NED/ITA/ESP For FIN/NOR/DEN/SWE/POR For POL/CZE/HUN/ROM/BUL/RUS (×2)
9 10 11 13	AEM1039-092-E BT-54013-1E 2832WFX1-H5AE AEM1050-001-E	EURO LABEL WARRANTY CARD S.DIAGRAM X-RAY CARD	ONLY ITALY(SERVICE)



VICTOR COMPANY OF JAPAN, LIMITED

TELEVISION RECEIVER DIVISION 1106 Heta, Iwai-city, Ibaraki-prefecture, 306-0698, Japan



AV32WFX1EUSU #4

AV28WFX1EUSU #4

AV32WFX1EUGU #4 AV28WFX1EUGU #4

AV-32WFX1EUG / AV-32WFX1EUS AV-28WFX1EUG / AV-28WFX1EUS

AV-32WFX1EUS AV-28WFX1EUG AV-28WFX1EUS

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1. SAFETY

The components identified by the symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal :PAL Colour bar signal (2)Setting positions of

each knob/button and

variable resistor :Original setting position

when shipped

(3)Internal resistance of tester *DC 20k O /V (4)Oscilloscope sweeping time :H ⇒ 20µS/div

⇒ 5mS/div :Others => Sweeping time is

specified :All DC voltage values

(5)Voltage values * Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

eIn the PW board :R1209→R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM (1)Resistors

■Resistance value

No unit :[Ω] :[KΩ] :[MΩ]

■Rated allowable power

No indication :1/10[W] Others :As specified

Type

No indication :Carbon resistor :Oxide metal film resistor MFR :Metal film resistor MPR :Metal plate resistor UNFR :Uninflammable resistor :Fusible resistor

*Composition resistor 1/2 [W] is specified as 1/2\$ or Comp.

(2)Capacitors

■Capacitance value

1 or higher :fpF1 less than 1 :[µF]

Withstand voltage

No indication :DC50[V]

AC indicated :AC withstand voltage [V] Others :DC withstand voltage [V]

*Electrolytic Capacitors

47/50[Example]:Capacitance value [uF]/withstand voltage[V]

 Type No indication :Ceramic capacitor :Mylar capacitor MM :Metalized mylar capacitor PP :Polypropylene capacitor MPP :Metalized polypropylene capacitor MF :Metalized film capacitor TF :Thin film capacitor BP :Bipolar electrolytic capacitor TAN :Tantalum capacitor (3)Coils No unit :[uH] Others :As specified (4)Power Supply *Respective voltage values are indicated (5)Test point :Test point

:Only test point display (6)Connecting method



(7)Ground symbol

T :LIVE side ground

:ISOLATED(NEUTRAL) side ground

:EARTH ground

:DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (\bot) side GND and the ISOLATED(NEUTRAL): (\(\pm \)) side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.
- ♦ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

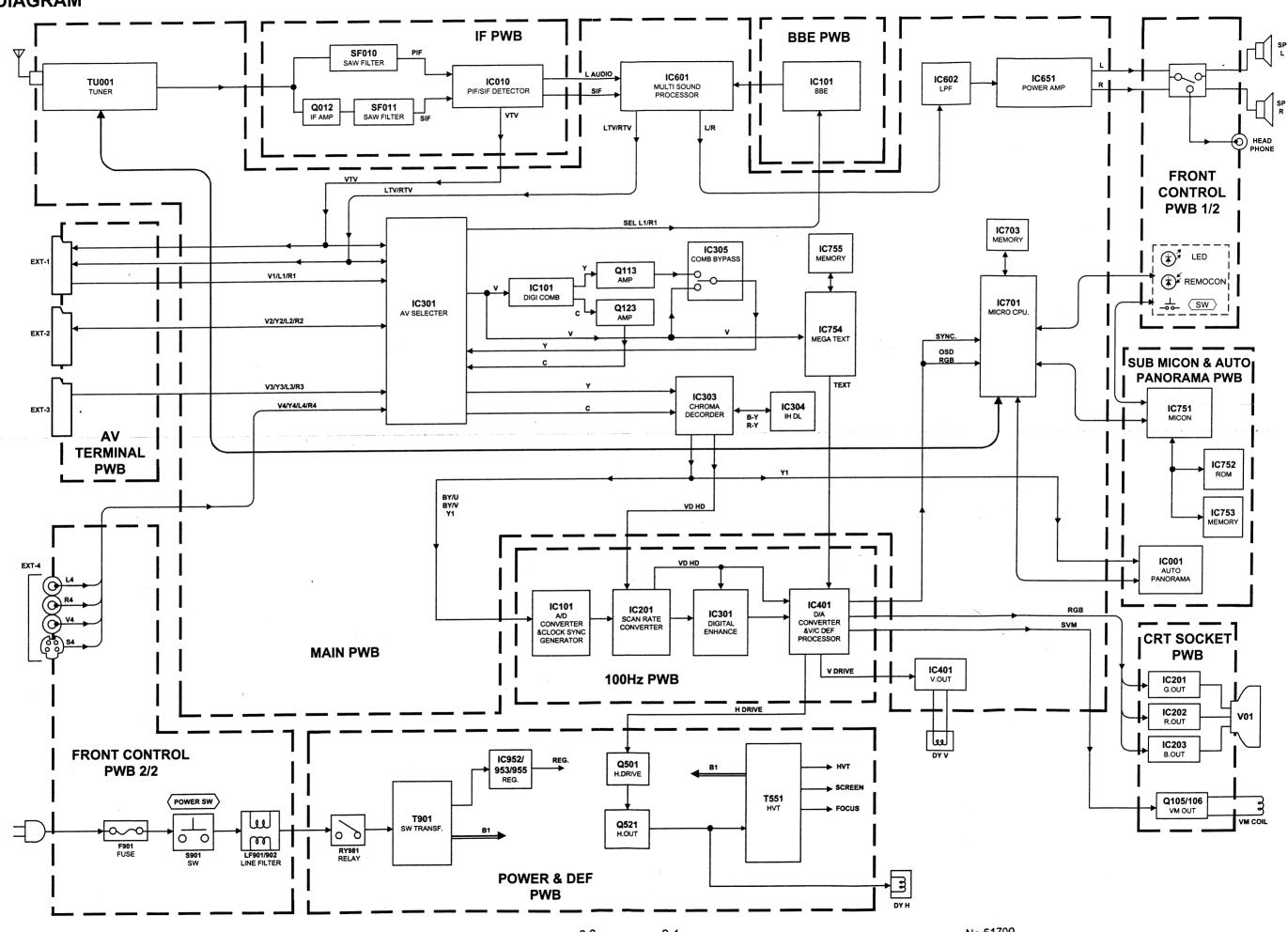
Mar. 2000 No.51700

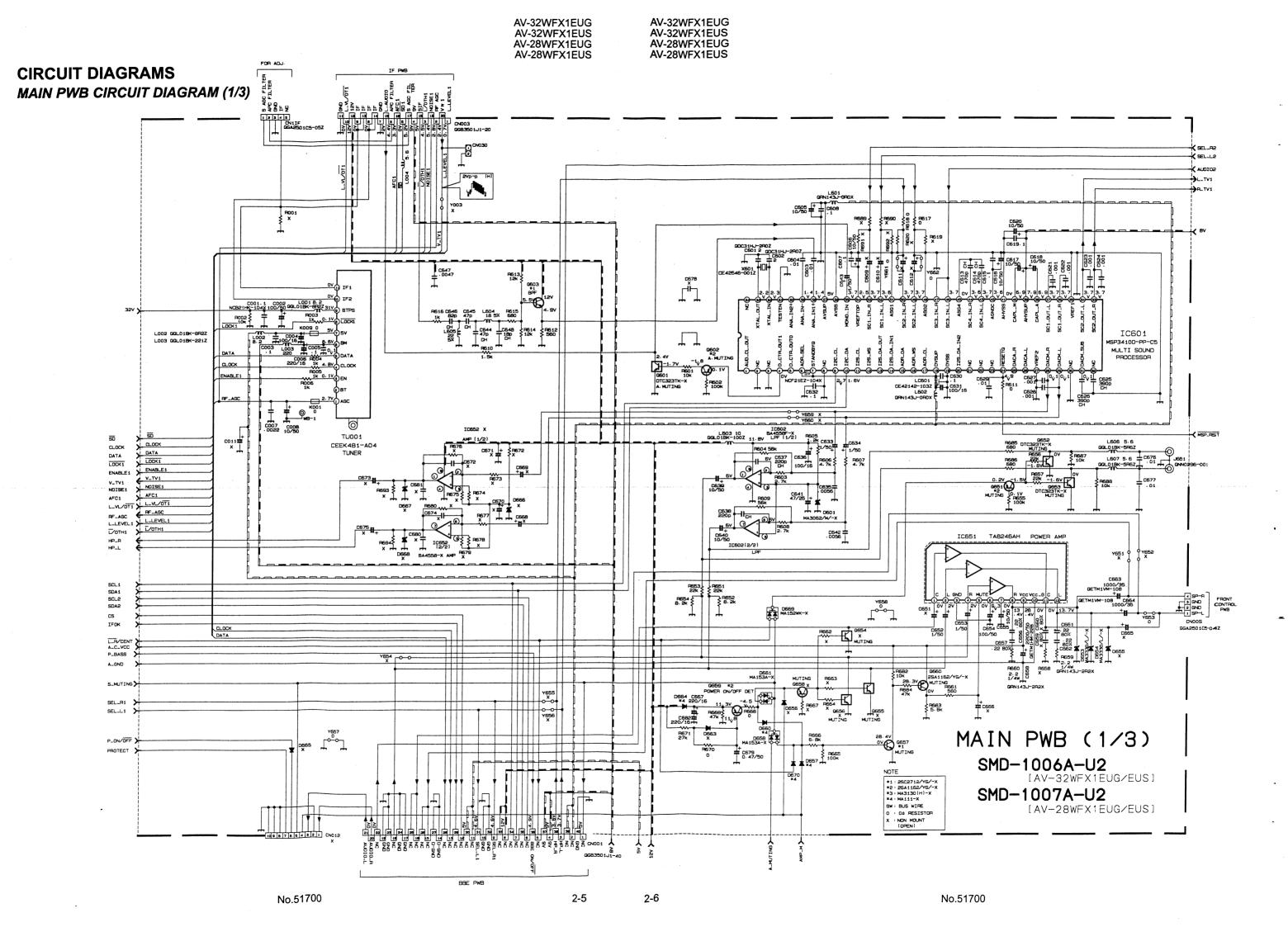
BLOCK DIAGR	AM				2-2
POWER & DEF PV SUB MICON & AU 100Hz PWB CIRCU IF PWB CIRCUIT I BBE PWB CURCU FRONT CONTROL FRONT CONTROL	IIT DIAGRAM NB CIRCUIT DIAGRA ITO PANORAMA PWI UIT DIAGRAM DIAGRAM IT DIAGRAM IT DIAGRAM PWB CURCUIT DIA PWB CURCUIT	M B CIRCUIT DIAGRAM GRAM [AV-32WFX1EI GRAM [AV-28WFX1EI	JG / EUS] · · · · · · · · · · · · · · · · · · ·		2-11 2-13 2-15 2-17 2-17 2-19 2-21 2-23 2-25
POWER & DEF PV AV TERMINAL PW IF PWB PATTERN CRT SOCKET PW FRONT CONTROL 100Hz PWB PATT 100Hz PWB PATT SUB MUCON & AU	RN. WB PATTERN WB PATTERN B PATTERN PWB PATTERN [AV PWB PATTERN [AV PWB PATTERN [AV ERN [PARTS SIDE] ERN [SOLDER SIDE] TOPANORAMA PWB RN	-32WFX1EUG / EUS] -28WFX1EUG / EUS] PATTERN			2-31 2-33 2-34 2-35 2-37 2-39 2-41 2-42 2-42
BOTTOM VIEW		FRON	TVIEW		TOP VIEW
E C B	M Comment	E C E (GXD\S)	(a)		CHIP TR
IC					
BOTTOM VIEW		FROM	IT VIEW		TOP VIEW_
OUT E IN	O IN E O	UT 1	•	<u> </u>	
CHIP IC					
		ТОР	VIEW		

-	
2.2	

AV-32WFX1EUG AV-32WFX1EUS AV-28WFX1EUG AV-28WFX1EUS AV-32WFX1EUG AV-32WFX1EUS AV-28WFX1EUG AV-28WFX1EUS

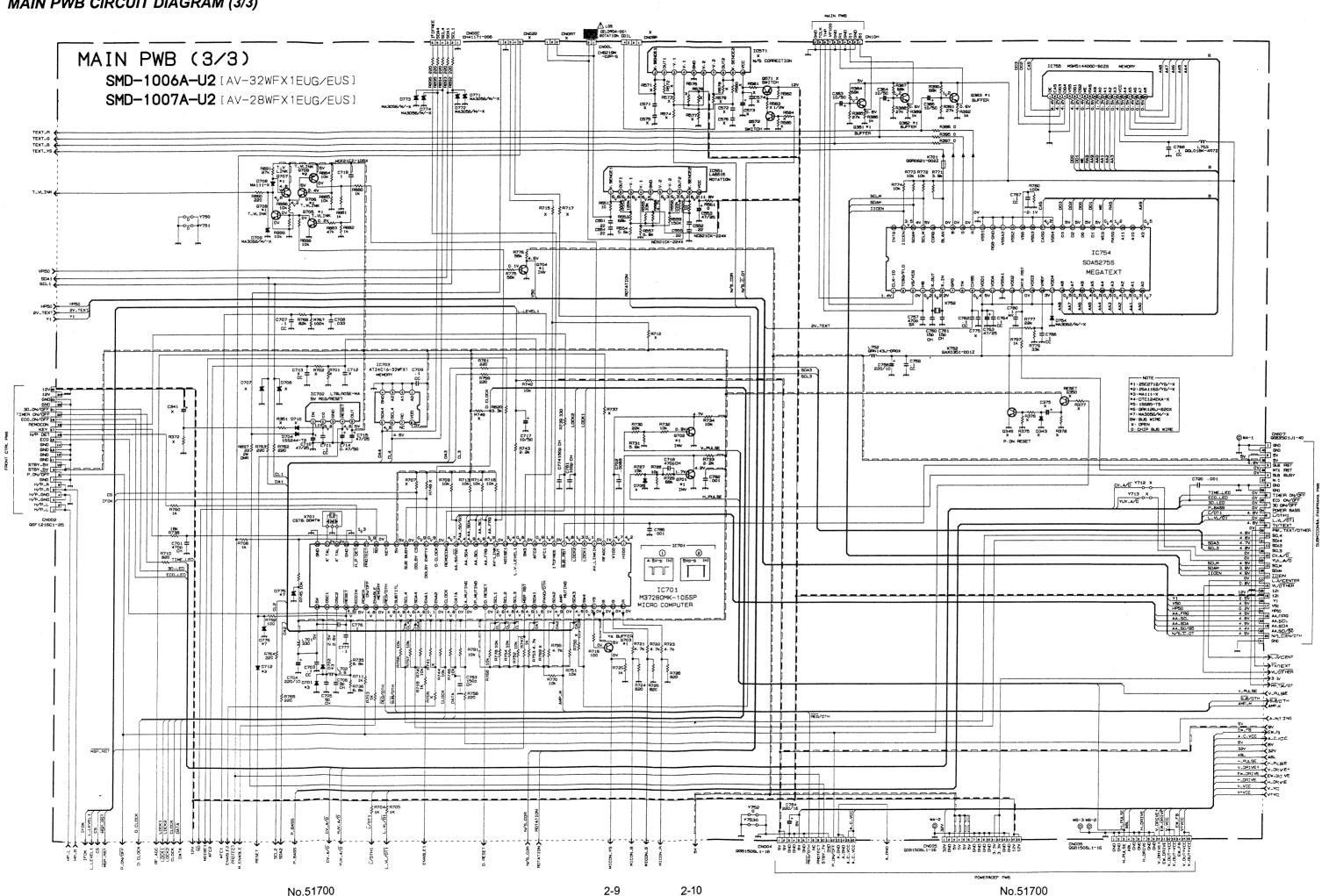
BLOCK DIAGRAM



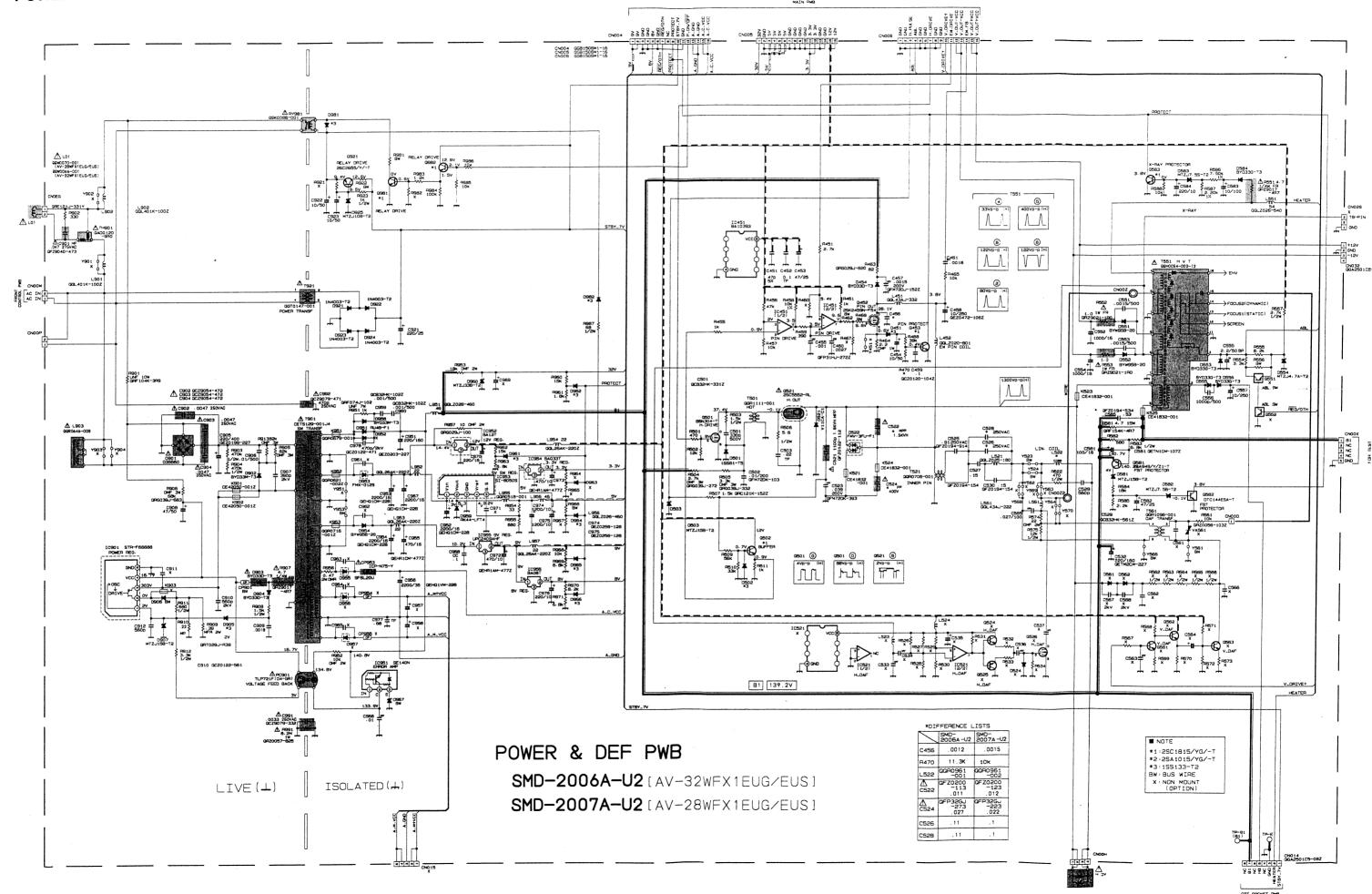


AV-32WFX1EUG AV-32WFX1EUS AV-32WFX1EUG AV-32WFX1EUS AV-28WFX1EUG AV-28WFX1EUS AV-28WFX1EUG AV-28WFX1EUS

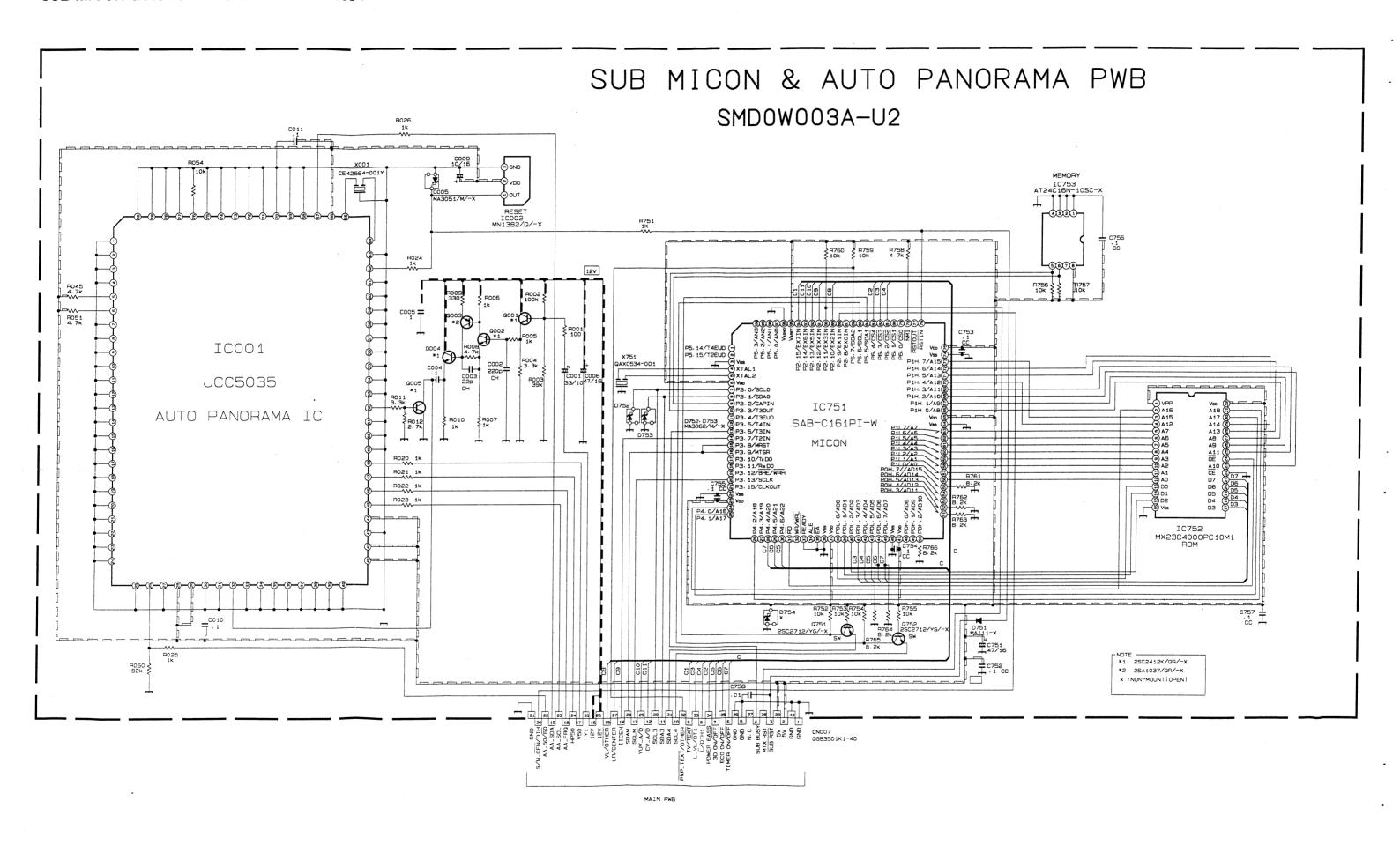
MAIN PWB CIRCUIT DIAGRAM (3/3)



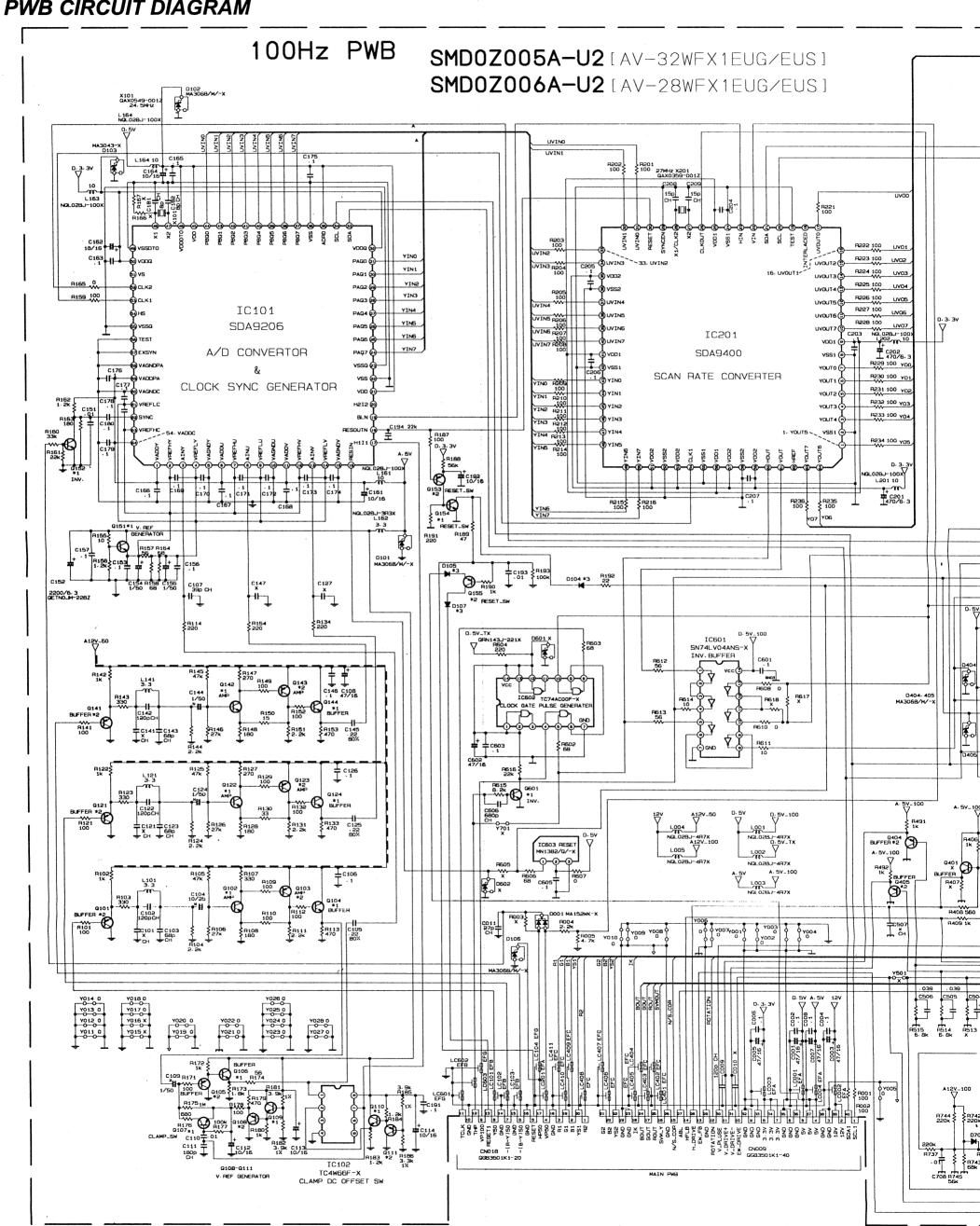
POWER & DEF PWB CIRCUIT DIAGRAM

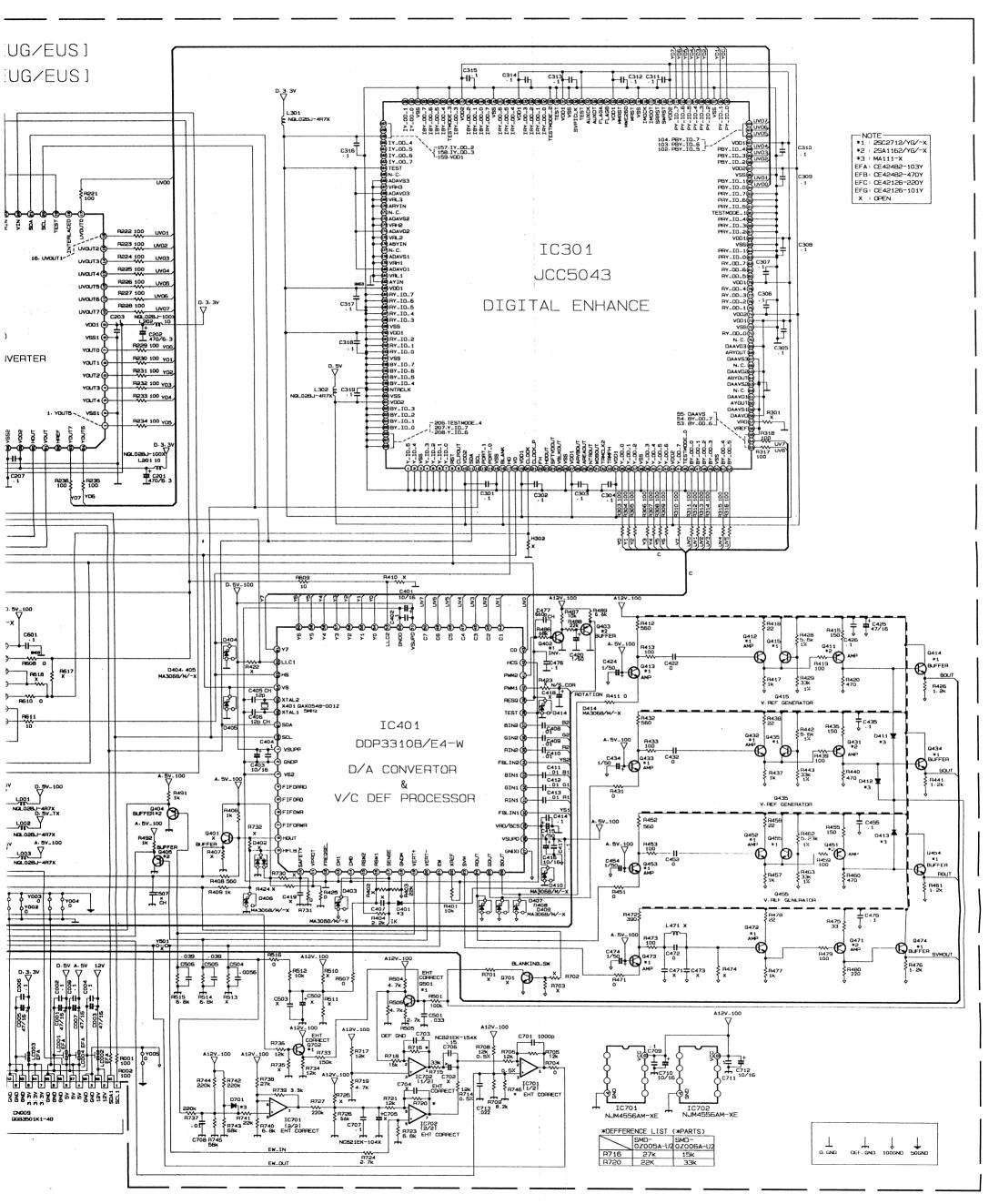


SUB MICON & AUTO PANORAMA PWB CIRCUIT DIAGRAM



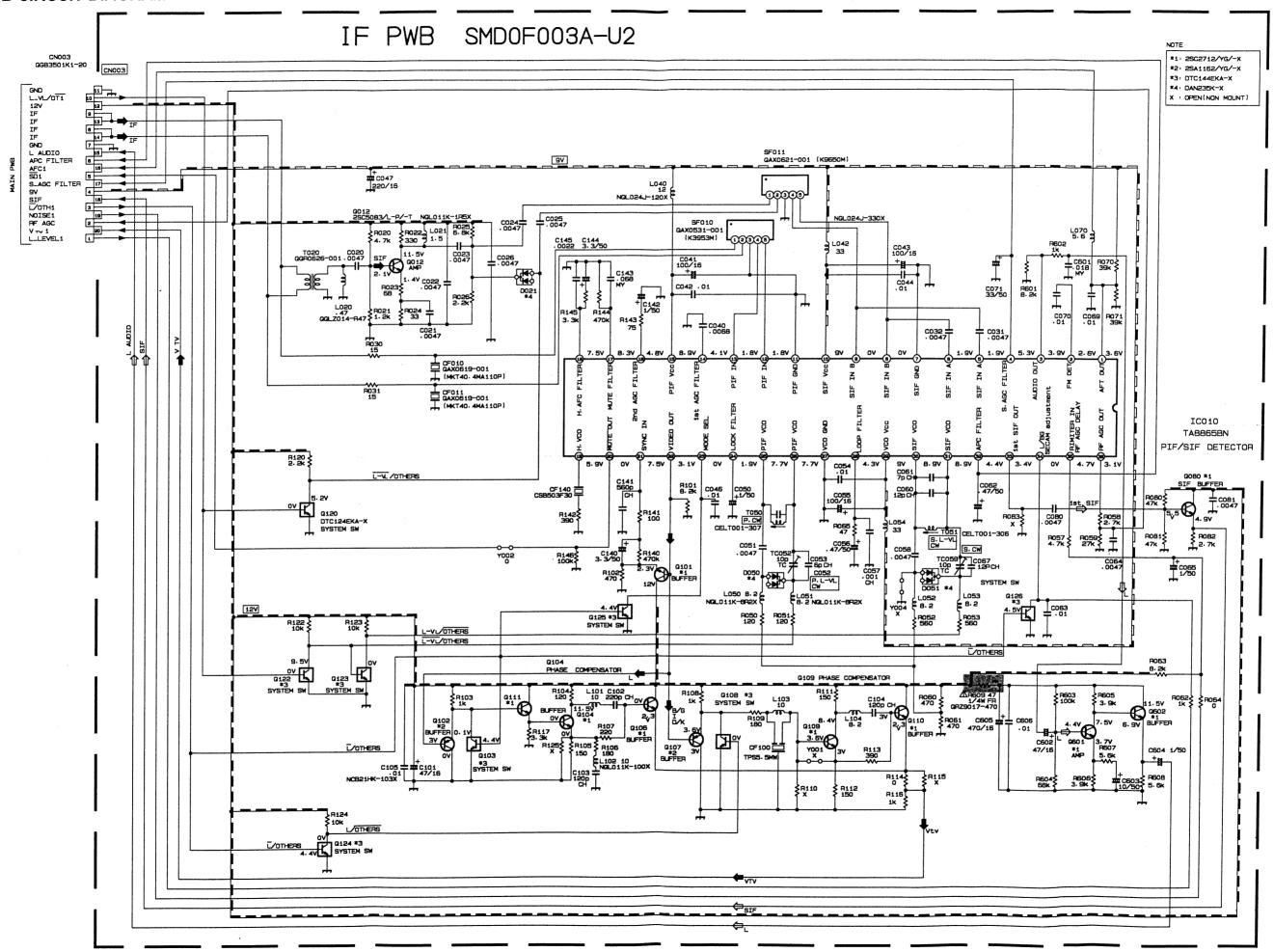
100Hz PWB CIRCUIT DIAGRAM

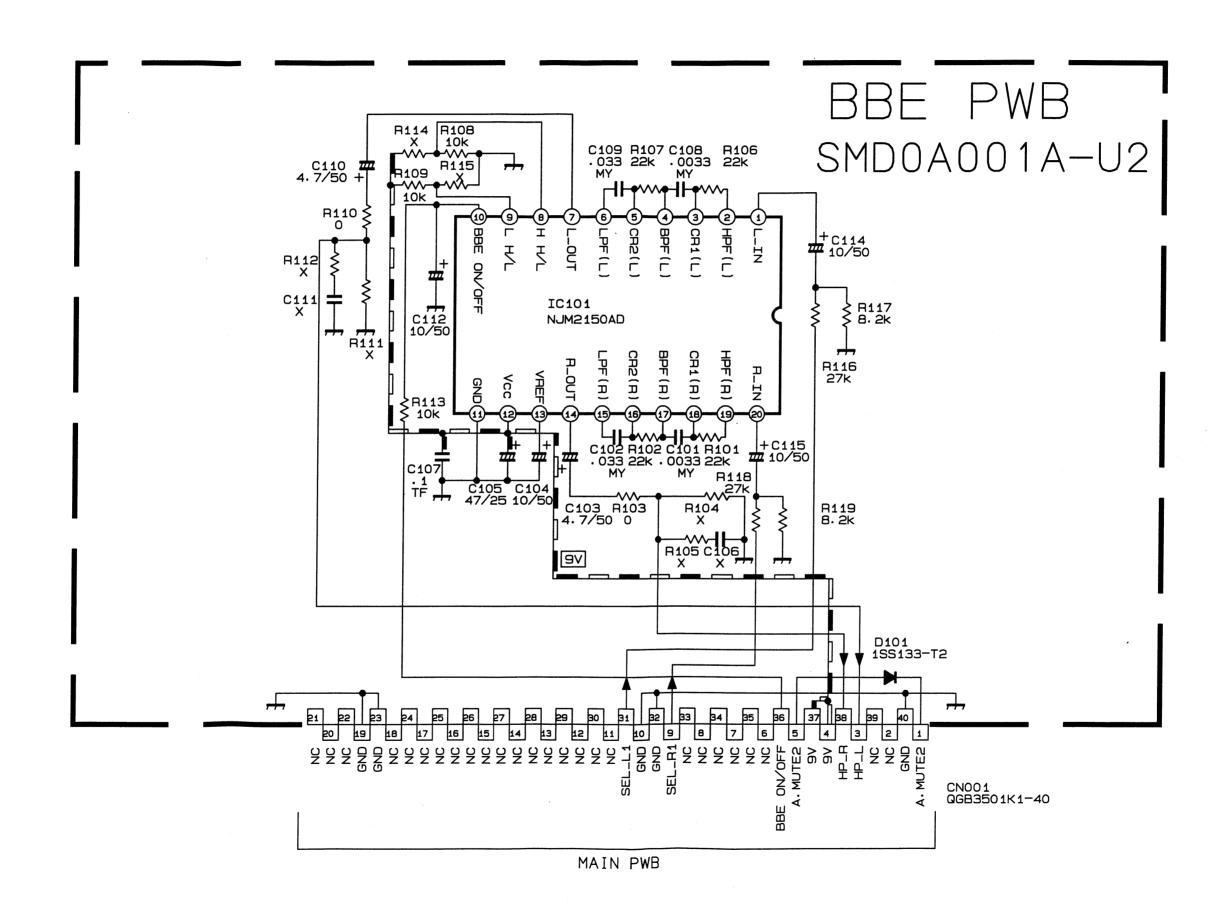




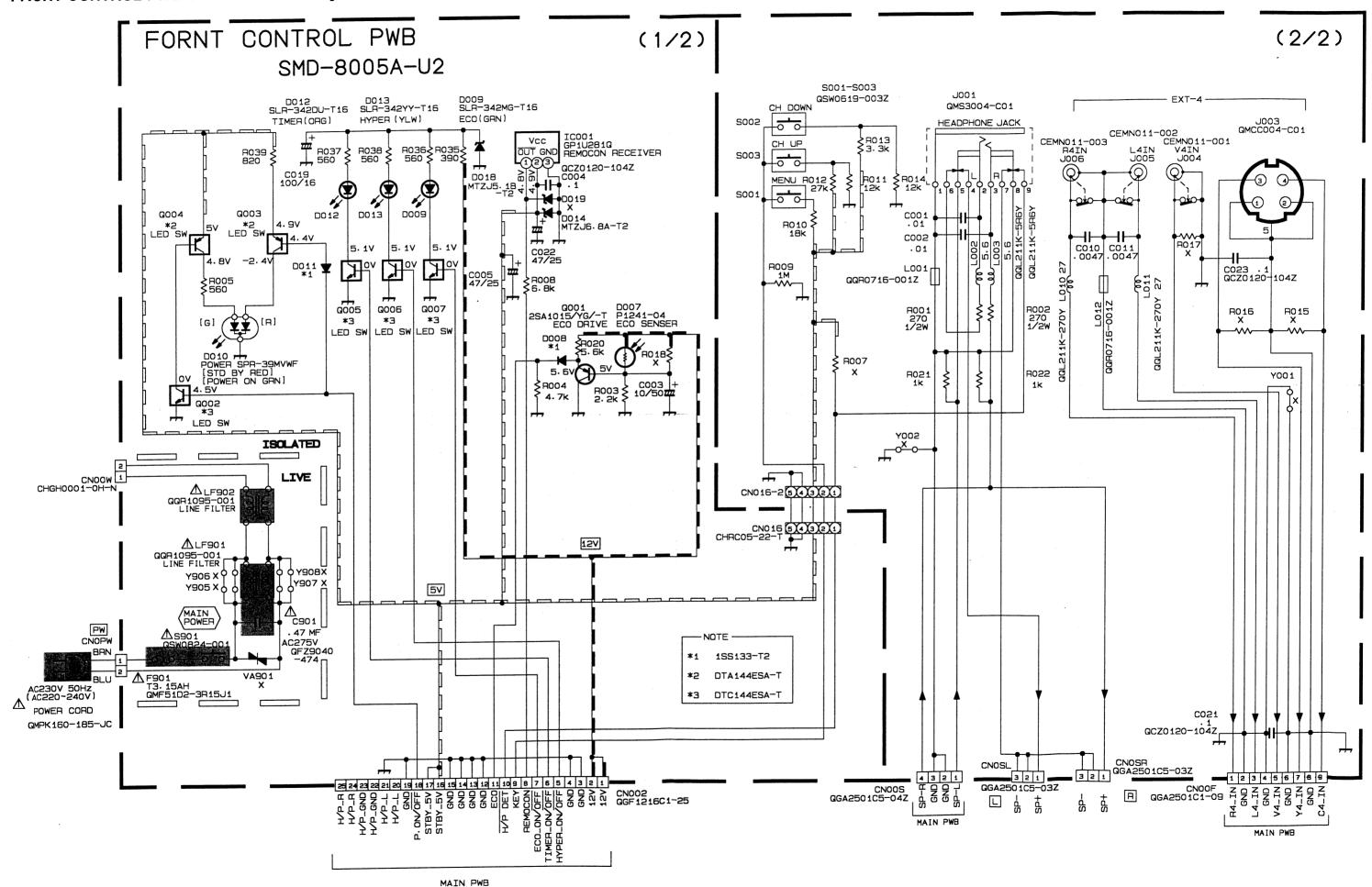
AV-32WFX1EUG AV-32WFX1EUG AV-32WFX1EUG AV-28WFX1EUG AV-28WFX1EUS AV-28WFX1EUS

IF PWB CIRCUIT DIAGRAM

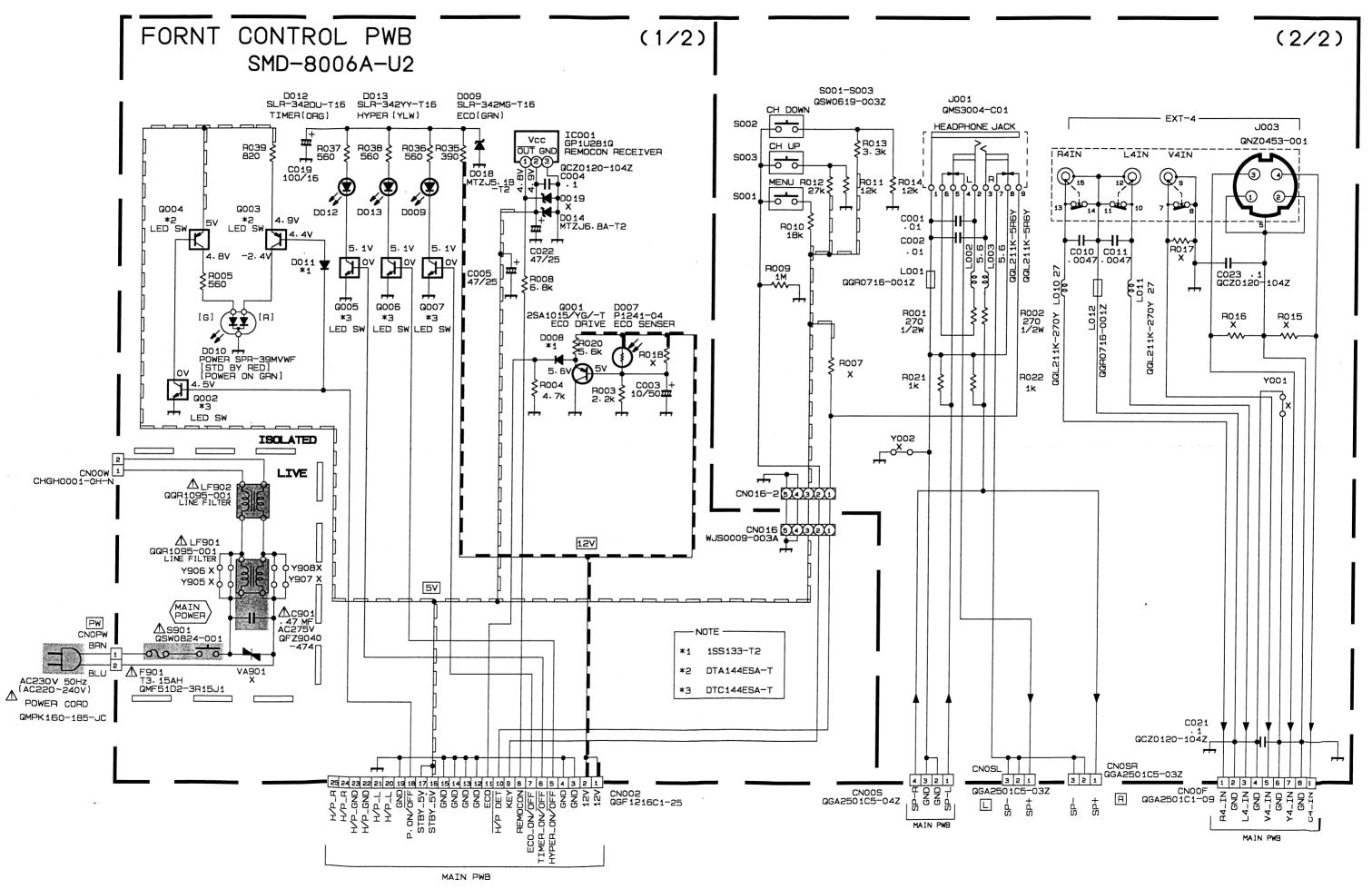




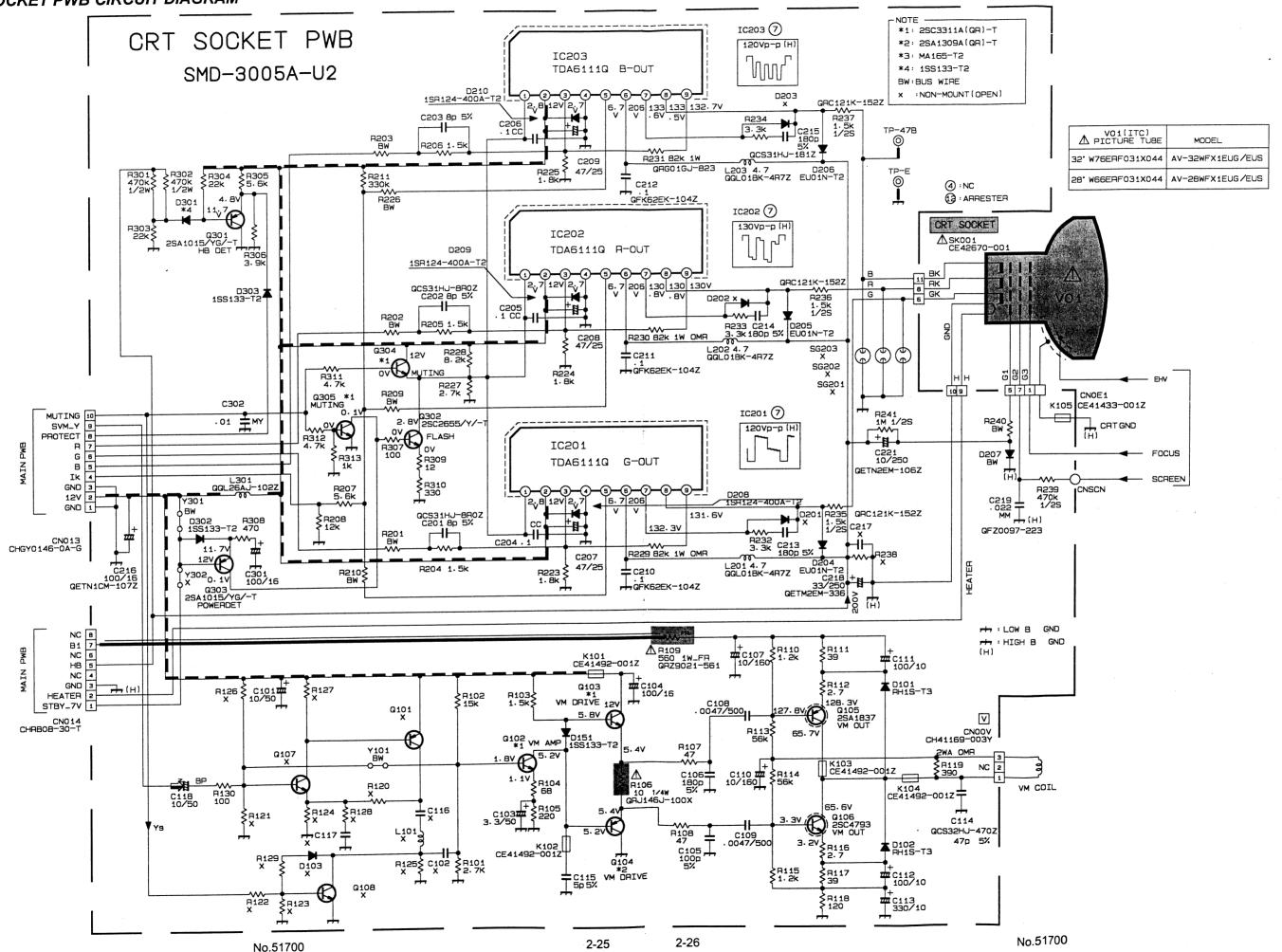
FRONT CONTROL PWB CIRCUIT DIAGRAM [AV-32WFX1EUG / EUS]



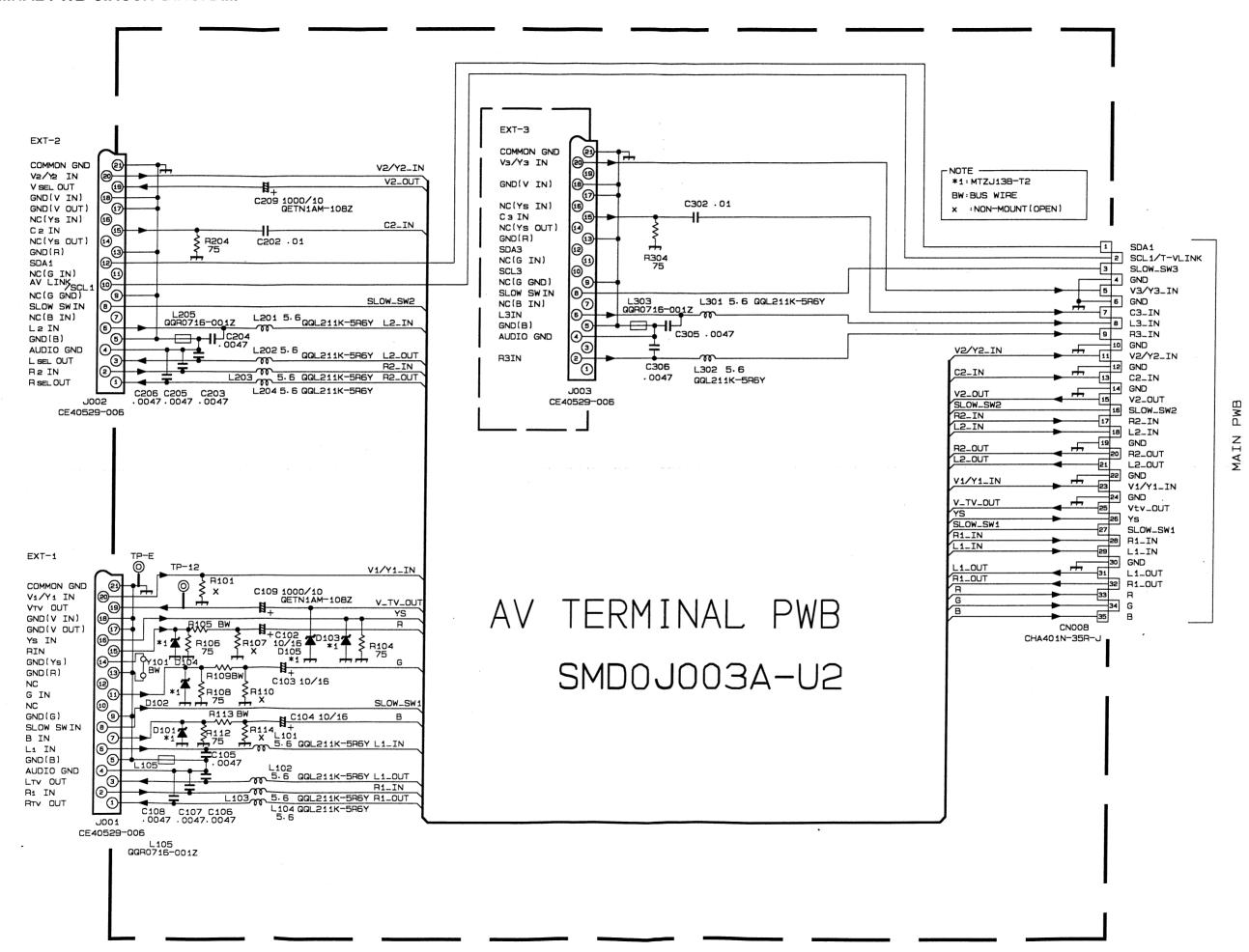
2-21



CRT SOCKET PWB CIRCUIT DIAGRAM

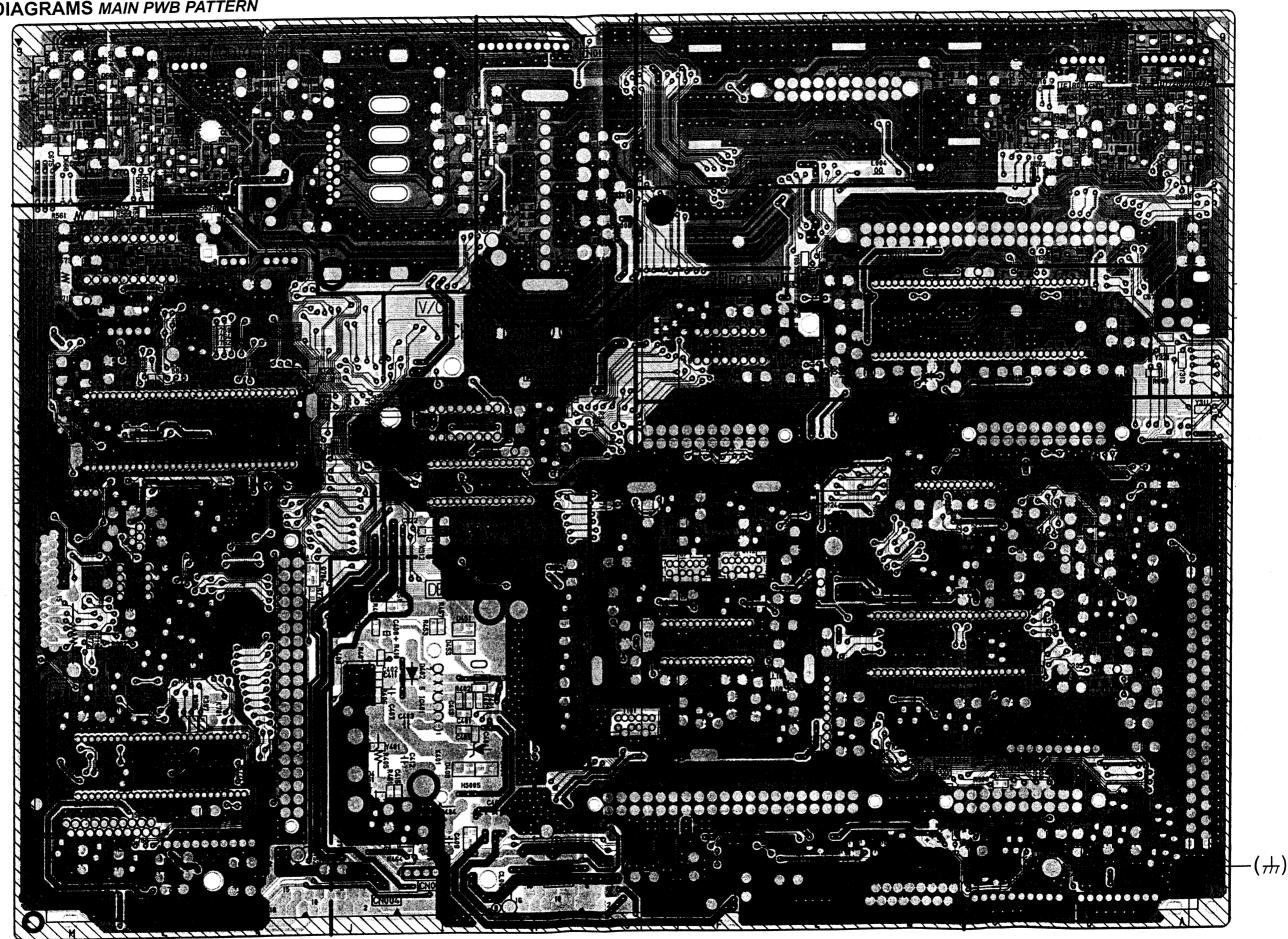


AV TERMINAL PWB CIRCUIT DIAGRAM



2-27

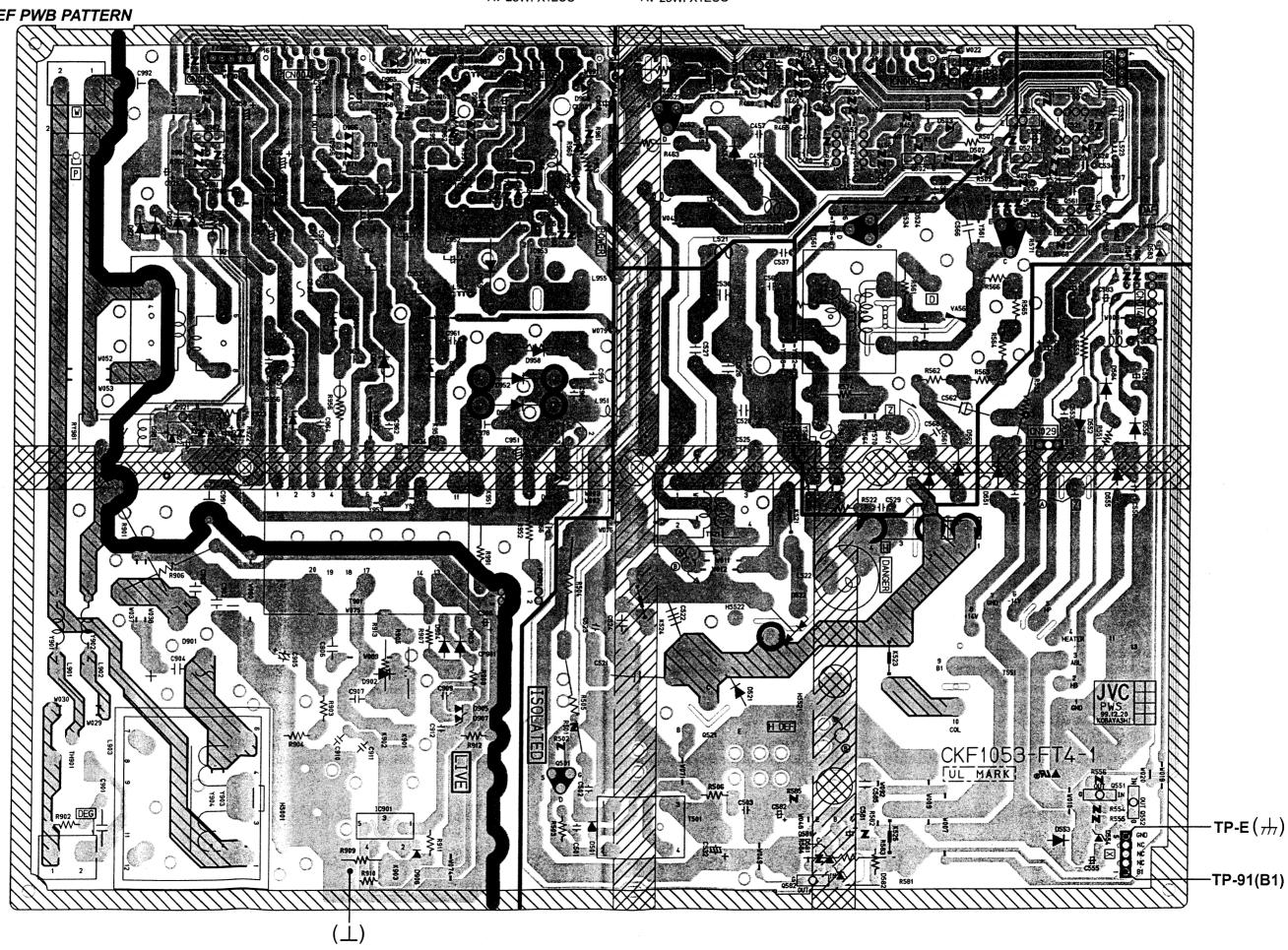
PATTERN DIAGRAMS MAIN PWB PATTERN



FRONT

POWER & DEF PWB PATTERN

FRONT

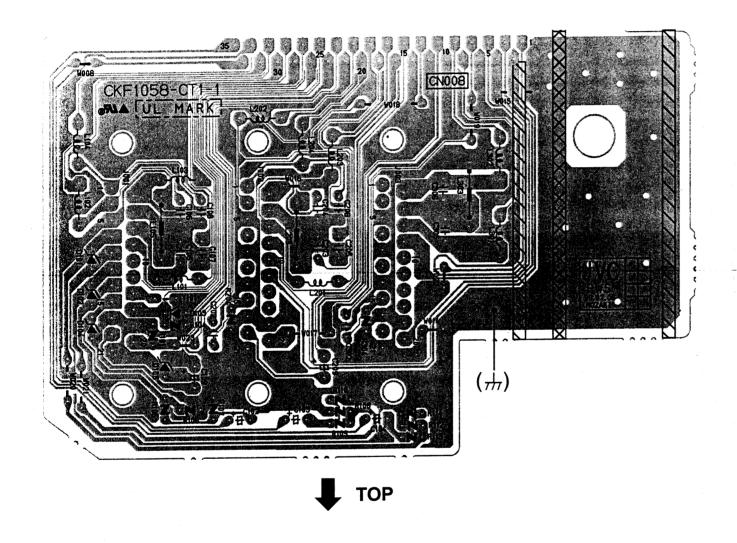


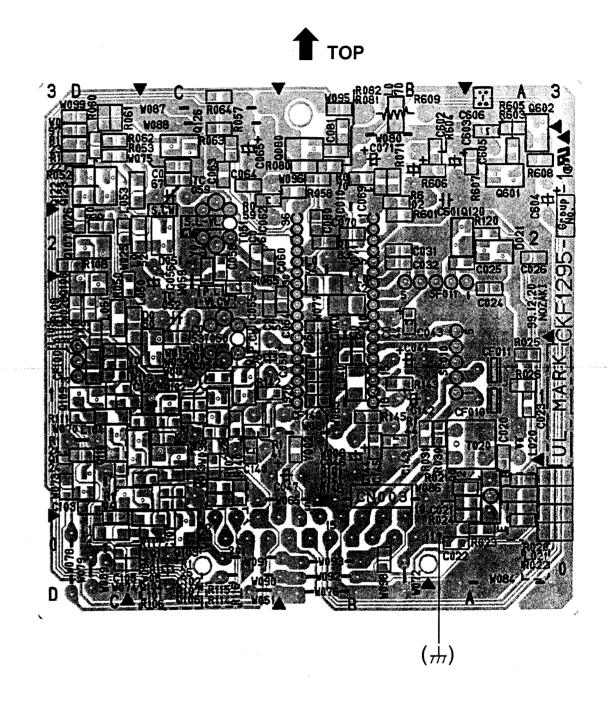
No.51700

2-31 . 2-32 No.51700

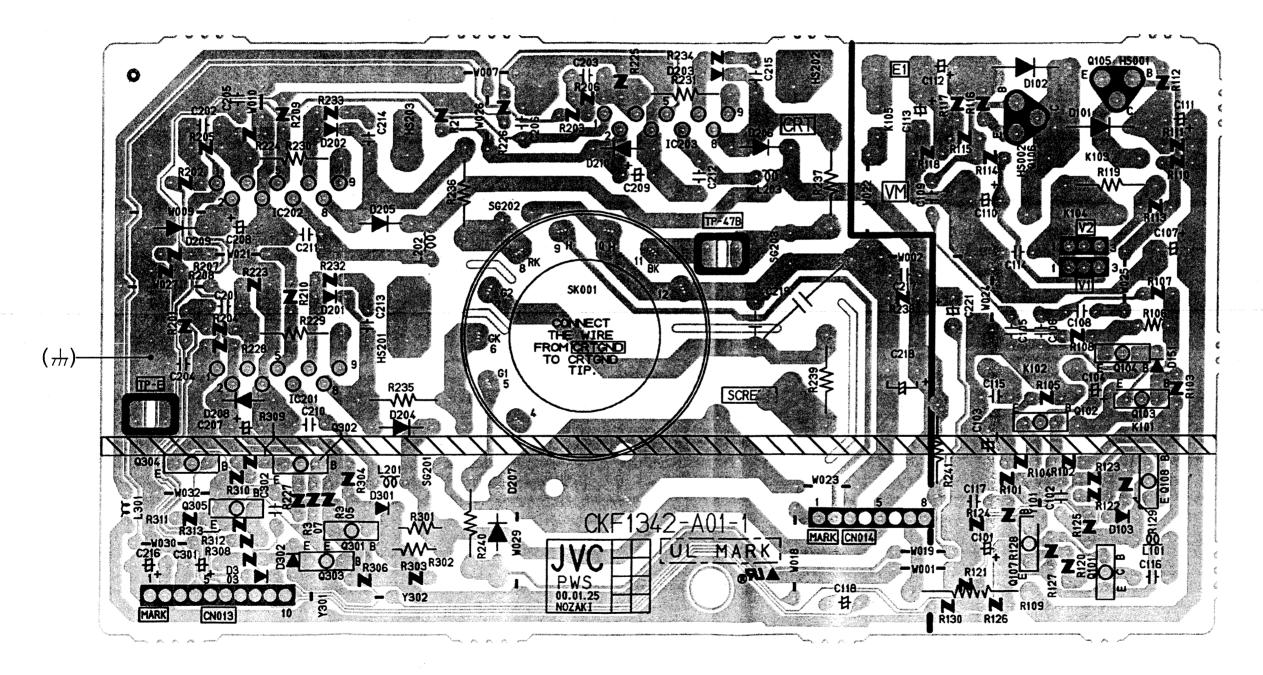
AV-32WFX1EUG AV-32WFX1EUS AV-28WFX1EUG AV-28WFX1EUS IF PWB PATTERN

AV TERMINAL PWB PATTERN

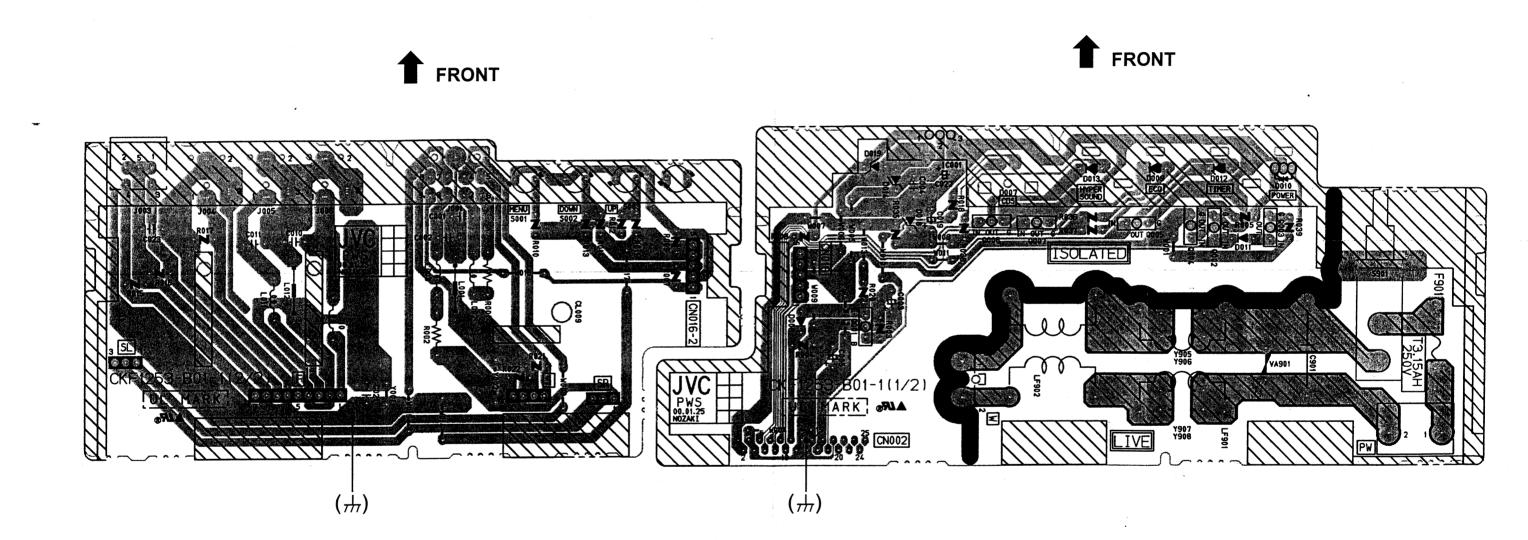


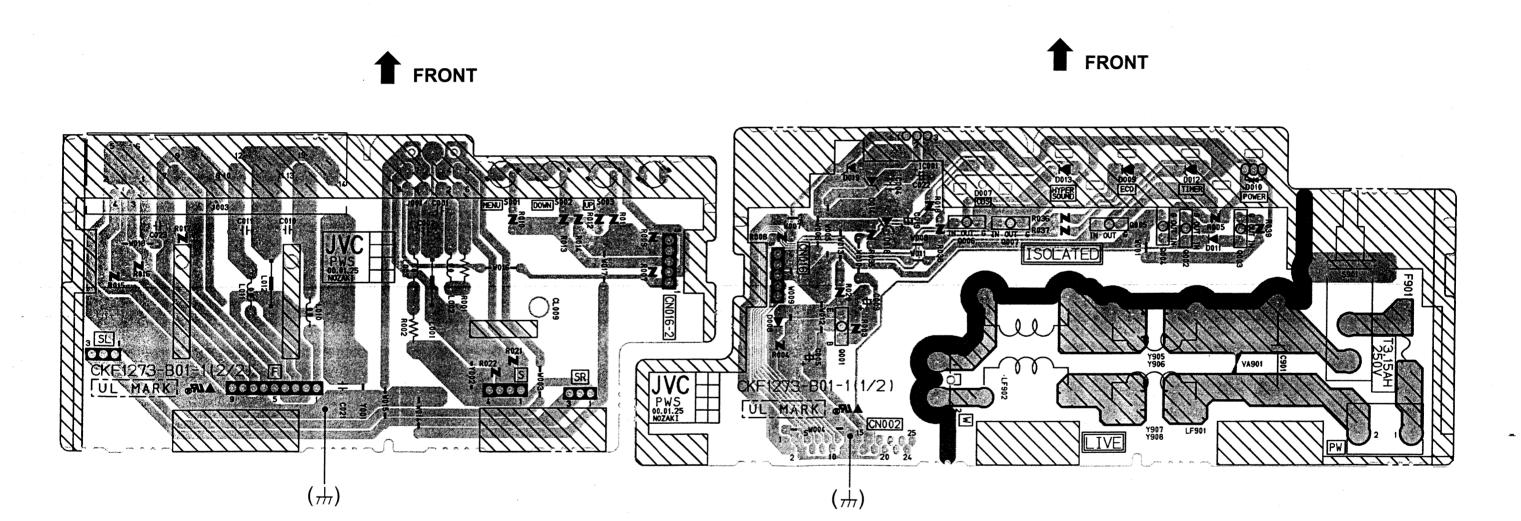


1 TOP



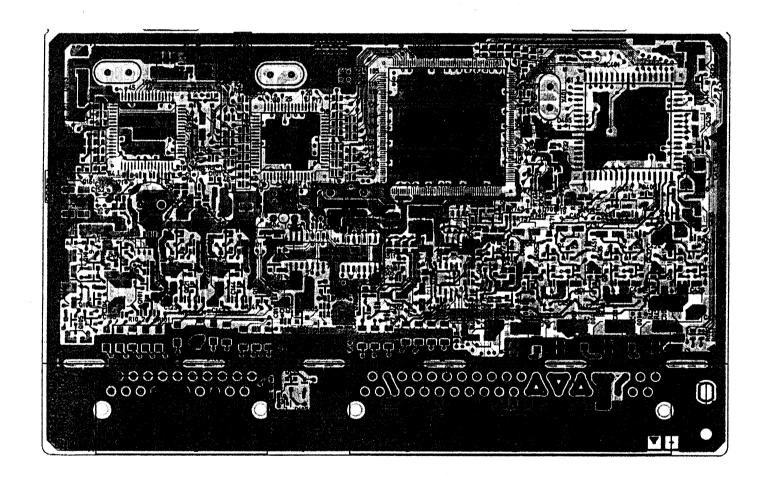
FRONT CONTROL PWB PATTERN [AV-32WFX1EUG / EUS]





100Hz PWB PATTERN (PARTS SIDE)

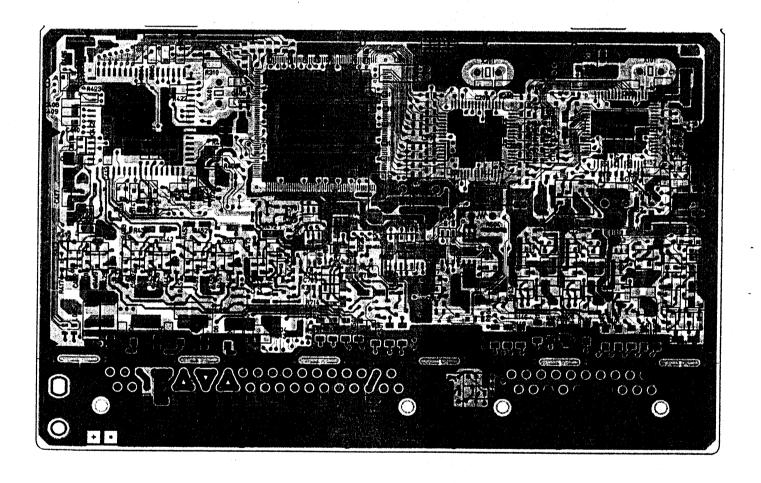
1 TOP



No.51700 2-41

100Hz PWB PATTERN (SOLDER SIDE)

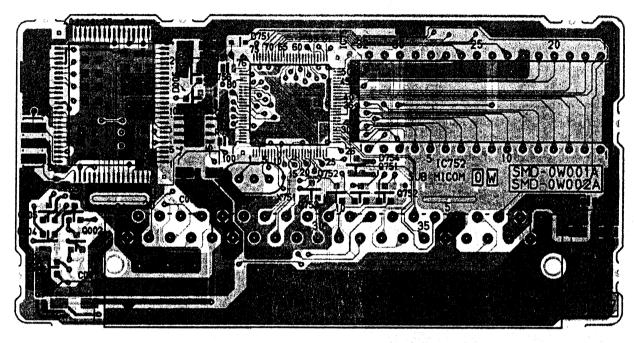
1 TOP



2-42

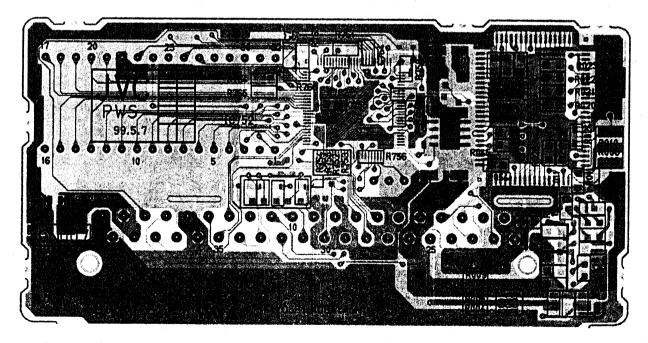
SUB MICON & AUTO PANORAMA PWB PATTERN (PARTS SIDE)





SUB MICON & AUTO PANORAMA PWB PATTERN (SOLDER SIDE)





No.51700 2-43

BBE PWB PATTERN



